

? show files;ds
 File 88:Gale Group Business A.R.T.S. 1976-2006/Jan 25
 (c) 2006 The Gale Group
 File 340:CLAIMS(R)/US Patent 1950-06/Jan 26
 (c) 2006 IFI/CLAIMS(R)
 File 348:EUROPEAN PATENTS 1978-2005/Dec w04
 (c) 2006 European Patent Office
 File 349:PCT FULLTEXT 1979-2005/UB=20051229,UT=20051222
 (c) 2005 WIPO/Univentio
 File 351:Derwent WPI 1963-2006/UD,UM &UP=200606
 (c) 2006 Thomson Derwent
 File 652:US Patents Fulltext 1971-1975
 (c) format only 2002 Dialog
 File 654:US Pat.Full. 1976-2006/Jan 26
 (c) Format only 2006 Dialog
 File 996:NewsRoom 2000
 (c) 2005 Dialog

Set Items Description
 S1 17 (ALIAS OR PIN OR PIE)(20N)(STATIC OR DYNAMIC)(2W)PORTION? ?
 NOT PY>2001
 S2 16 RD (unique items)
 ? t2/3,k/all

2/3,K/1 (Item 1 from file: 88)
 DIALOG(R)File 88:Gale Group Business A.R.T.S.
 (c) 2006 The Gale Group. All rts. reserv.

05753072 SUPPLIER NUMBER: 73580373
 The Benefits and Costs of Dyc's Run-Time Optimizations.(Statistical Data Included)
 GRANT, BRIAN; MOCK, MARKUS; PHILOPOSE, MATTHAI; CHAMBERS, CRAIG; EGGERS, SUSAN J.
 ACM Transactions on Programming Languages & Systems, 22, 5, 932
 Sept, 2000
 DOCUMENT TYPE: Statistical Data Included ISSN: 0164-0925
 LANGUAGE: English RECORD TYPE: Fulltext
 WORD COUNT: 17378 LINE COUNT: 01715

... dynamic compilation systems. One possible such implementation would have the static compiler perform an automatic alias and side-effect analysis to identify static portions of data structures and pure functions. Tempo does this analysis within modules, but still relies...

2/3,K/2 (Item 1 from file: 340)
 DIALOG(R)File 340:CLAIMS(R)/US Patent
 (c) 2006 IFI/CLAIMS(R). All rts. reserv.

0735156 1237715
 M/STEPPING DEVICE FOR ROTATING THE TABLE OF A SAMPLE CHANGING EQUIPMENT
 Inventors: TARBET CECIL SIDNEY CHARLES (N/A)
 Assignee: CECIL INSTRUMENTS LTD
 Attorney, Agent or Firm: Hall & Houghton

Publication Number	Kind	Date	Application Number	Date
US 3686960	A	19720829	US 7035969	19700511
(Cited in 001 later patents)			US 7035969	19700511

Priority Applic:
 Calculated Expiration: 19890829

Non-exemplary Claims:
 ...said sub-turntable carries a downwardly depending flange and said stop means comprises a fixed pin on said downwardly depending flange and a pivot arm mounted with limit stops on said static portion .

2/3,K/3 (Item 1 from file: 348)
 DIALOG(R)File 348:EUROPEAN PATENTS
 (c) 2006 European Patent Office. All rts. reserv.

00340024

Belt tensioner.

Riemenspanner.

Tendeur pour courroie.

PATENT ASSIGNEE:

KOYO SEIKO CO., LTD., (308872), 5-8, 3-chome, Minamisenba, Chuo-ku Osaka, (JP), (applicant designated states: DE;FR;GB)

MITSUBISHI JIDOSHA KOGYO KABUSHIKI KAISHA, (350980), 33-8, Shiba 5-chome Minato-ku, Tokyo 108, (JP), (applicant designated states: DE;FR;GB)

INVENTOR:

Kadota, Yasushi c/o Koyo Seiko Co., Ltd, 5-8-3-chome, Minamisenba, Chuo-ku Osaka, (JP)

Ushio, Sadakatsu c/o Mitsubishi Jidosha Kogyo K.K., 33-8, Shiba 5-chome Minato-ku, Tokyo, (JP)

LEGAL REPRESENTATIVE:

TER MEER - MULLER - STEINMEISTER & PARTNER (100061), Mauerkircherstrasse 45, W-8000 Munchen 80, (DE)

PATENT (CC, No, Kind, Date): EP 337215 A1 891018 (Basic)

EP 337215 B1 930519

APPLICATION (CC, No, Date): EP 89105732 890331;

PRIORITY (CC, No, Date): JP 8881523 880401

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: F16H-007/12;

ABSTRACT WORD COUNT: 134

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	444
CLAIMS B	(German)	EPBBF1	429
CLAIMS B	(French)	EPBBF1	513
SPEC B	(English)	EPBBF1	5261
Total word count - document A			0
Total word count - document B			6647
Total word count - documents A + B			6647

...SPECIFICATION diameter portion 14c, rendering the eccentric member 19 rotatable relative to the fixed member 11 in either direction.

Next, the operation of the belt tensioner will be described.

The static friction between the high-friction sliding surface 17a of the sleeve 16 and the high-friction surface 11a of the fixed member 11 in contact therewith is great when the vertical load...

2/3,K/4 (Item 2 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2006 European Patent Office. All rts. reserv.

00225091

Apparatus for applying adhesive to buffed tyre for retreading.

Vorrichtung zum Aufbringen von Klebstoff auf zum Runderneuern aufgerauhte Reifen.

Dispositif d'application d'adhesif sur un pneu emeule pour le rechapage.

PATENT ASSIGNEE:

SUMITOMO RUBBER INDUSTRIES LIMITED, (256751), No. 1-1, Tsutsui-cho 1-chome, Chuo-ku Kobe-shi Hyogo 651, (JP), (applicant designated states: DE;FR;GB;IT)

INVENTOR:

Nakahama, Kozo, 2-40 Nishiochiai 7-Chome Suma-ku, Kobe-shi Hyogo-ken, (JP)

Miki, Rikio, 471-4 Kamatam Hirihata-ku, Himeji-shi Hyogo-ken, (JP)

Suzuki, Akiomi, 9-1-4-404 Ryugadai 1-Chome Suma-ku, Kobe-shi Hyogo-ken, (JP)

LEGAL REPRESENTATIVE:

Stewart, Charles Geoffrey (36372), SP TYRES UK LIMITED Tyre Technical Division, Fort Dunlop Erdington Birmingham B24 9QT, (GB)

PATENT (CC, No, Kind, Date): EP 230142 A1 870729 (Basic)

EP 230142 B1 901031

APPLICATION (CC, No, Date): EP 86310146 861224;

PRIORITY (CC, No, Date): JP 85297925 851228

DESIGNATED STATES: DE; FR; GB; IT

Ginger R. DeMille

INTERNATIONAL PATENT CLASS: B29D-030/54; B05B-013/02;
ABSTRACT WORD COUNT: 114

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPABF1	485
SPEC B	(English)	EPABF1	2709
Total word count - document A			0
Total word count - document B			3194
Total word count - documents A + B			3194

...SPECIFICATION outlet portion 17a of the base frame 17 is hinged to an end of a static portion 17b of the base frame 17 by means of a pin 78 so that the outlet portion 17a can be rotated around the pin 78 by...

2/3,K/5 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00122779

A METHOD OF AND APPARATUS FOR DE-ICING AN ELASTICALLY DEFORMABLE SHEET MEMBER

PROCEDE ET APPAREIL DE DEGIVRAGE D'UNE TOLE ELASTIQUEMENT DEFORMABLE

Patent Applicant/Assignee:

SHORT BROTHERS PLC,
CARSON Oliver Samuel,
MCMURTRY George,
CARRINGTON James Edward,

Inventor(s):

CARSON Oliver Samuel,
MCMURTRY George,
CARRINGTON James Edward,

Patent and Priority Information (Country, Number, Date):

Patent: WO 8501028 A1 19850314
Application: WO 84GB292 19840821 (PCT/WO GB8400292)
Priority Application: GB 8322738 19830824

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AU BR DE FR GB JP NL SE US

Publication Language: English

Fulltext Word Count: 3074

Fulltext Availability:

Detailed Description

Detailed Description

... shoulder 11 and a retaining nut 12 on a threaded end portion 13 of the pin 10, there is carried a soft iron core of the solenoid which comprises a mobile portion 14, a static portion 15 and a compression spring 16 which urges the two said portions apart from threaded at 17 to engage with the threaded portion 13 of the pin 10. Conversely, the pin 10 is free to slide on the static portion 15 within the constraints offered by the shoulder 11 and the operation of the compression...

2/3,K/6 (Item 1 from file: 351)
DIALOG(R)File 351:Derwent WPI
(c) 2006 Thomson Derwent. All rts. reserv.

009148616

WPI ACC No: 1992-276055/199233

XRPX ACC No: N92-211042

Calling card fraud control - preventing personal identification numbers misuse using static and dynamic portions

Patent Assignee: ANONYMOUS (ANON)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
TP 79209	A	19920725	TP 9279209	A	19920720	199233 B

Priority Applications (No Type Date): TP 9279209 A 19920720

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
TP 79209	A		G06F-000/00	

...Abstract (Basic): The PIN is provided with a static and dynamic portion such as YXXY, where Y is a fixed integer and X is changed according to...

2/3,K/7 (Item 1 from file: 652)
DIALOG(R)File 652:US Patents Fulltext
(c) format only 2002 Dialog. All rts. reserv.

00594258

Utility

STEPPING DEVICE FOR ROTATING THE TABLE OF A SAMPLE CHANGING EQUIPMENT

PATENT NO.: 3,686,960
ISSUED: August 29, 1972 (19720829)
INVENTOR(s): Tarbet, Cecil Sidney Charles, Cambridge, GB (United Kingdom).
England
ASSIGNEE(s): Cecil Instruments Limited, Cambridge, GB (United Kingdom).
England
APPL. NO.: 5-35,969
FILED: May 11, 1970 (19700511)
FULL TEXT: 175 lines

... said sub-turntable carries a downwardly depending flange and said stop means comprises a fixed pin on said downwardly depending flange and a pivot arm mounted with limit stops on said static portion .

2/3,K/8 (Item 1 from file: 654)
DIALOG(R)File 654:US Pat.Full.
(c) Format only 2006 Dialog. All rts. reserv.

4414138 **IMAGE Available
Derwent Accession: 1999-187680; 1999-187681

Utility

E/ Gas dynamic pressure bearing apparatus

Inventor: Gomyo, Masato, Nagano, JP
Kanebako, Hideki, Nagano, JP
Miura, Kazushi, Nagano, JP
Hayakawa, Masamichi, Nagano, JP
Assignee: Sankyo Seiki Mfg. Co., Ltd.(03), Nagano-ken, JP
Sankyo Seiki Seisakusho K K JP (Code: 13959)
Examiner: Ramirez, Nestor (Art Unit: 284)
Assistant Examiner: Mullins, Burt
Law Firm: Reed Smith Shaw & McClay LLP

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6147424	A	20001114	US 98115213	19980714
Priority				JP 97210053	19970718
				JP 97210054	19970718

Fulltext Word Count: 9257

Description of the Invention:

...surfaces in the axial direction are formed as gas dynamic pressure surfaces structuring thrust gas dynamic pressure bearing portion 23. De-electrification pin 135 projects downward from the center of the bottom surface of thrust plate 127 projecting...

2/3,K/9 (Item 2 from file: 654)

DIALOG(R)File 654:US Pat.Full.
(c) Format only 2006 Dialog. All rts. reserv.

4138412 **IMAGE Available
Derwent Accession: 1999-287109

Utility

M/ Four bar exercise machine

Inventor: Maresh, Joseph D., 19919 White Cloud Cir., West Linn, OR, 97068

Assignee: Unassigned

Unassigned Or Assigned To Individual (Code: 68000)

Examiner: Crow, Stephen R. (Art Unit: 373)

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5897463	A	19990427	US 97914206	19970819
Continuation	US 5707321	A		US 95497377	19950630

Fulltext word count: 6220

Summary of the Invention:

...Generally, the dynamic linkage portion of the mechanism may be described as containing three pin connected links, and in most of the illustrated embodiments, these link assemblies are interconnected by...

2/3,K/10 (Item 3 from file: 654)

DIALOG(R)File 654:US Pat.Full.
(c) Format only 2006 Dialog. All rts. reserv.

3931501 **IMAGE Available

Derwent Accession: 1998-100179

LitAlert Accession: P1999-21-66 **See File 670 for Litigation

Utility

M/ Four bar exercise machine

Inventor: Maresh, Joseph Douglas, P.O. Box 645, West Linn, OR, 97068-0645

Assignee: Unassigned

Unassigned Or Assigned To Individual (Code: 68000)

Examiner: Crow, Stephen R. (Art Unit: 332)

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5707321	A	19980113	US 95497377	19950630

Fulltext word count: 6264

Summary of the Invention:

...Generally, the dynamic linkage portion of the mechanism may be described as containing three pin connected links, and in most of the illustrated embodiments, these link assemblies are shown as...

2/3,K/11 (Item 4 from file: 654)

DIALOG(R)File 654:US Pat.Full.
(c) Format only 2006 Dialog. All rts. reserv.

3548872 **IMAGE Available

Derwent Accession: 1994-296496

Utility

EXPIRED

M/ Power connector

Inventor: Provencher, Daniel B., Weare, NH

Spiridigliozzi, Luciano, Watertown, MA

Assignee: Teradyne, Inc.(02), Boston, MA

Teradyne Inc (Code: 04338)

Examiner: Desmond, Eugene F. (Art Unit: 322)

	Publication Number	Kind	Date	Application Number	Filing Date
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	-----	--	-----	-----	-----
Main Patent	US 5360349	A	19941101	US 9340650	19930331

Fulltext Word Count: 1679

Description of the Invention:

...9) of polyester. Seated in blind grooves 96 thereof are blade portions 98, integral with dynamic pin portions 100 (Johnson U.S. Pat. No. Re. 29,513, "Electrical Connection Apparatus", is hereby herein ...

2/3,K/12 (Item 5 from file: 654)

DIALOG(R)File 654:US Pat.Full.

(c) Format only 2006 Dialog. All rts. reserv.

2748846 **IMAGE Available
Derwent Accession: 1985-074516

Utility

EXPIRED

M/ Method of and apparatus for de-icing an elastically deformable sheet member

Inventor: Carson, Oliver S., Belfast, GB Northern Ireland
McMurtry, George, Bangor, GB Northern Ireland
Carrington, James E., Lisburn, GB Northern Ireland

Assignee: Short Brothers Limited(03), GB
SHORT BROTHERS LTD GB

Examiner: Barefoot, Galen (Art Unit: 315)

Assistant Examiner: Fiorito, Lynn M.

Law Firm: Kenyon & Kenyon

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 4629149	A	19861216	US 85708930	19850221
PCT	WO 8501028		19850314	WO 84GB292	19840821
			371:19850221		
			102e:19850408		
Priority				GB 8322738	19830824

Fulltext Word Count: 2980

Description of the Invention:

...shoulder 11 and a retaining nut 12 on a threaded end portion 13 of the pin 10, there is carried a soft iron core of the solenoid which comprises a mobile portion 14, a static portion 15 and a compression spring 16 which urges the two said portions apart from one...

...mobile portion is threaded at 17 to engage with the threaded portion 13 of the pin 10. Conversely, the pin 10 is free to slide on the static portion 15 within the constraints offered by the shoulder 11 and the operation of the compression...

2/3,K/13 (Item 6 from file: 654)

DIALOG(R)File 654:US Pat.Full.

(c) Format only 2006 Dialog. All rts. reserv.

2425047 **IMAGE Available
Derwent Accession: 1977-42169Y

Utility

C/ System and process for the control of a nuclear power system
; COMBINATION OF TWO CONTROL SYSTEMS FOR NUCLEAR STEAM SUPPLY SYSTEM

Inventor: Musick, Charles R., Vernon, CT

Assignee: Combustion Engineering, Inc.(02), Windsor, CT
COMBUSTION ENGINEERING INC (Code: 19080)

Examiner: Bentley, Stephen C. (Art Unit: 221)

Combined Principal Attorneys: Ristas, Lombro James

Ginger R. DeMille

	Publication Number	Kind	Date	Application Number	Filing Date
	-----	--	-----	-----	-----
Main Patent	US 4330367	A	19820518	US 73362697	19730522

Fulltext word Count: 21296

Description of the Invention:

...that the [DELTA]T power agrees with the heat flux transmitted out of the fuel pin. The dynamic portion of the [DELTA]T power is implemented using a Z transform of the above equation...

2/3,K/14 (Item 7 from file: 654)
DIALOG(R)File 654:US Pat.Full.
(c) Format only 2006 Dialog. All rts. reserv.

2412228 **IMAGE Available
Derwent Accession: 1977-42167Y

Utility

C/ Method and apparatus for controlling a nuclear reactor
; PREDICTING DESIGN LIMIT VIOLATIONS

Inventor: Musick, Charles R., Vernon, CT

Assignee: Combustion Engineering, Inc.(02), Windsor, CT
COMBUSTION ENGINEERING INC (Code: 19080)

Examiner: Bentley, Stephen C. (Art Unit: 221)

Combined Principal Attorneys: Ristas, Lombro James

	Publication Number	Kind	Date	Application Number	Filing Date
	-----	--	-----	-----	-----
Main Patent	US 4318778	A	19820309	US 73362698	19730522

Fulltext word Count: 26271

Description of the Invention:

...that the [DELTA]T power agrees with the heat flux transmitted out of the fuel pin. The dynamic portion of the [DELTA]T power is implemented using a Z transform of the above equation...

2/3,K/15 (Item 8 from file: 654)
DIALOG(R)File 654:US Pat.Full.
(c) Format only 2006 Dialog. All rts. reserv.

2223600 **IMAGE Available
Derwent Accession: 1979-C6378B

Utility

M/ Bridge reinforcements

Inventor: Fitzgerald-Smith, James P., Ossemsley, near New Milton,
GB England

Assignee: Knight, Derek I., Bournemouth, GB England
The Secretary of State for Defence in Her Britannic Majesty's
Government of the United Kingdom of Great Britain and Northern
Ireland(07), London, GB, England

UNITED KINGDOM DEFENCE SECRETARY OF STATE FOR GB (Code: 87542)

Examiner: Byers, Jr., Nile C. (Art Unit: 351)

Law Firm: Pollock, VandeSande and Priddy

	Publication Number	Kind	Date	Application Number	Filing Date
	-----	--	-----	-----	-----
Main Patent	US 4143439	A	19790313	US 78879996	19780222

Fulltext word Count: 1803

Description of the Invention:

...the slideway 10 and a resiliently biased hook 19 which is pivotally connected to the static portion 18. The hook 19 is resiliently biased, by means not shown, towards the static portion 18 such that

Ginger R. DeMille

the pin 15 is clasped. The means for biasing the hook 19 may be a coil spring...

...shaped such that when the slideway 10 is offered up to the span and the pin 15 contacts said surfaces 20 the hook 19 is initially urged, against its biasing, away from the static portion 18 and subsequently returns with a snap action to clasp the pin 15...

2/3,K/16 (Item 9 from file: 654)
DIALOG(R)File 654:US Pat.Full.
(c) Format only 2006 Dialog. All rts. reserv.

2156127 **IMAGE Available
Derwent Accession: 1977-42168Y

Utility

C/ Apparatus and method for controlling a nuclear reactor

; DETERMINATION AND UTILIZATION OF OPERATING LIMIT

Inventor: Musick, Charles Ronald, Vernon, CT

Assignee: Combustion Engineering, Inc.(02), Windsor, CT

COMBUSTION ENGINEERING INC (Code: 19080)

Examiner: Bentley, Stephen C. (Art Unit: 221)

	Publication Number	Kind	Date	Application Number	Filing Date
	-----	--	-----	-----	-----
Main Patent	US 4080251	A	19780321	US 73362696	19730522

Fulltext word Count: 25037

Description of the Invention:

...that the [DELTA]T power agrees with the heat flux transmitted out of the fuel pin. The dynamic portion of the [DELTA]T power is implemented using a Z transform of the above equation...

?

? show files;ds
File 148:Gale Group Trade & Industry DB 1976-2006/Jan 30
(c)2006 The Gale Group
File 348:EUROPEAN PATENTS 1978-2005/Dec w04
(c) 2006 European Patent Office
File 349:PCT FULLTEXT 1979-2005/UB=20051229,UT=20051222
(c) 2005 WIPO/Univentio
File 654:US Pat.Full. 1976-2006/Jan 26
(c) Format only 2006 Dialog

Set	Items	Description
S1	5	(PERSONAL()IDENTIFICATION OR PIN OR PIE)(20N)(ALIAS)(20N)(- STATIC OR DYNAMIC) NOT PY>2001
S2	5	RD (unique items)

? t2/3,k/all

2/3,k/1 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2006 The Gale Group. All rts. reserv.

10222161 SUPPLIER NUMBER: 20641306 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Optimized ADCs Pack Resolution, Speed, And Bandwidth On-Chip.
Bindra, Ashok
Electronic Design, v46, n11, p46(1)
May 13, 1998
ISSN: 0013-4872 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 3113 LINE COUNT: 00245

TEXT:
...in a single IC package. For instance, the CS5396/97 integrates a
(- (modulator, digital anti- alias filtering, a SHA, and a voltage
reference to offer a complete 24-bit stereo ADC solution from a 28- pin
SOIC. To achieve a dynamic range of 120 dB and THD plus noise of greater
than 105 dB, the CS5396...

2/3,k/2 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2006 European Patent Office. All rts. reserv.

00897521
System and method for providing a message system subscriber with a roaming
mailbox
System und Verfahren zum Anbieten von einem mobilen Briefkasten an einem
Nachrichtensystemteilnehmer
Systeme et methode pour fournir une boite aux lettres mobile a un abonne
d'un systeme de messagerie

PATENT ASSIGNEE:
AT&T Corp., (589370), 32 Avenue of the Americas, New York, NY 10013-2412,
(US), (Applicant designated States: all)

INVENTOR:
Chau, Nga V., 13510 Maverick Lane, Herndon, Virginia 20171, (US)
Shen, Henry H., 6 Doranne Lane, Middletown, NJ 07748, (US)
Eng, Edward D., 143 Camden Avenue, South Plainfield, NJ 07080, (US)
Tow, Agnes C., 9 Doranne Lane, Middletown, NJ 07748, (US)
Yang, Gang, 7 Primrose Court, Holmdel NJ 07733, (US)

LEGAL REPRESENTATIVE:
Kuhnen & Wacker (101501), Patentanwaltsgesellschaft mbH,
Alois-Steinecker-Strasse 22, 85354 Freising, (DE)
PATENT (CC, No, Kind, Date): EP 820181 A2 980121 (Basic)
EP 820181 A3 000705

APPLICATION (CC, No, Date): EP 97112073 970715;
PRIORITY (CC, No, Date): US 679842 960715
DESIGNATED STATES: DE; FR; GB
EXTENDED DESIGNATED STATES: AL; LT; LV; RO; SI
INTERNATIONAL PATENT CLASS: H04M-003/50; H04Q-007/22
ABSTRACT WORD COUNT: 76

NOTE:
Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9804	560
SPEC A	(English)	9804	2149
Total word count - document A			2709
Total word count - document B			0
Total word count - documents A + B			2709

...SPECIFICATION subscribers authorized to leave toll-free messages in the subscriber's mailbox.

Part of the static primary data of the subscriber profile database is replicated at all nodes. It consists of subscriber static data such as mailbox ID, alias number, language selection, PIN, personal greeting, etc. However, the subscriber's home node is the primary node for the...

2/3,K/3 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00331409 **Image available**

METHOD AND APPARATUS FOR SECURE IDENTIFICATION OF A MOBILE USER IN A COMMUNICATION NETWORK

PROCEDE ET DISPOSITIF DESTINE A L'IDENTIFICATION SECURISEE D'UN UTILISATEUR ITINERANT DANS UN RESEAU DE COMMUNICATION

Patent Applicant/Assignee:

INTERNATIONAL BUSINESS MACHINES CORPORATION,
TSUDIK Gene,

Inventor(s):

TSUDIK Gene,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9613920 A1 19960509

Application: WO 94EP3542 19941027 (PCT/WO EP9403542)

Priority Application: WO 94EP3542 19941027

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

BR CA CN CZ HU JP KR PL RU US AT BE CH DE DK ES FR GB GR IE IT LU MC NL
PT SE

Publication Language: English

Fulltext Word Count: 7076

Fulltext Availability:

Detailed Description

Detailed Description

... of domain 10 in Fig. 3, he/she enters his/her user ID UX or alias Au, the c5X value, and his/her password (or PIN) PWu into the workstation. From the input values, the workstation (software and/or hardware) computes the dynamic user identifier Suid = F(AU, Tu, PWU), where TU is the local time on the...

2/3,K/4 (Item 1 from file: 654)

DIALOG(R)File 654:US Pat.Full.

(c) Format only 2006 Dialog. All rts. reserv.

4331885 **IMAGE Available

Derwent Accession: 1996-239753

Utility

E/ Method and apparatus for secure identification of a mobile user in a communication network

Inventor: Tsudik, Gene, Santa Monica, CA

Assignee: International Business Machines Corporation(02), Armonk, NY
International Business Machines Corp (Code: 42640)

Examiner: Swann, Tod R. (Art Unit: 277)

Assistant Examiner: Callahan, Paul E.

Combined Principal Attorneys: Duffield, Edward H.; Musgrove, Jack V.;
Dillon, Andrew J.

Publication Number	Kind	Date	Application Number	Filing Date
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Ginger R. DeMille

Main Patent	US 6072875	A	20000606	US 97845796	19970425
Continuation	Pending			WO 94EP3542	19941027
Priority				WO 96W013920	19941027

Fulltext word Count: 8408

Description of the Invention:

...10 in FIG. 3, he/she enters his/her user ID U[sub]x or alias A[sub]u, the [delta][sub]x value, and his/her password (or PIN) PW[sub]u into the workstation. From the input values, the workstation (software and/or hardware) computes the dynamic user identifier Suid=F(A[sub]u, T[sub]u, PW[sub]u), where T...

2/3,K/5 (Item 2 from file: 654)

DIALOG(R)File 654:US Pat.Full.

(c) Format only 2006 Dialog. All rts. reserv.

3980422 **IMAGE Available

Derwent Accession: 1998-079185

Utility

E/ System and method for providing a message system subscriber with a roaming mailbox

Inventor: Chau, Nga V., Herndon, VA
Eng, Edward D., South Plainfield, NJ
Shen, Henry H., Middletown, NJ
Tow, Agnes C., Middletown, NJ
Yang, Gang, Holmdel, NJ

Assignee: AT&T Corp(02), Middletown, NJ
AT&T Corp (Code: 16046)

Examiner: Brown, Thomas W. (Art Unit: 272)

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5751792	A	19980512	US 96679842	19960715

Fulltext word Count: 2839

Description of the Invention:

...Part of the static primary data of the subscriber profile database is replicated at all nodes. It consists of subscriber static data such as mailbox ID, alias number, language selection, PIN, personal greeting, etc. However, the subscriber's home node is the primary node for the...

?

? show files;ds

File 15:ABI/Inform(R) 1971-2006/Jan 27
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 File 16:Gale Group PROMT(R) 1990-2006/Jan 27
 (c) 2006 The Gale Group
 File 148:Gale Group Trade & Industry DB 1976-2006/Jan 27
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 File 160:Gale Group PROMT(R) 1972-1989
 (c) 1999 The Gale Group
 File 275:Gale Group Computer DB(TM) 1983-2006/Jan 19
 (c) 2006 The Gale Group
 File 621:Gale Group New Prod.Annou.(R) 1985-2006/Jan 27
 (c) 2006 The Gale Group
 File 9:Business & Industry(R) Jul/1994-2006/Jan 26
 (c) 2006 The Gale Group
 File 20:Dialog Global Reporter 1997-2006/Jan 27
 (c) 2006 Dialog
 File 476:Financial Times Fulltext 1982-2006/Jan 28
 (c) 2006 Financial Times Ltd
 File 610:Business Wire 1999-2006/Jan 27
 (c) 2006 Business Wire.
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 (c) 2006 CSA.
 File 634:San Jose Mercury Jun 1985-2006/Jan 26
 (c) 2006 San Jose Mercury News
 File 636:Gale Group Newsletter DB(TM) 1987-2006/Jan 27
 (c) 2006 The Gale Group
 File 810:Business Wire 1986-1999/Feb 28
 (c) 1999 Business Wire
 File 813:PR Newswire 1987-1999/Apr 30
 (c) 1999 PR Newswire Association Inc
 File 13:BAMP 2006/Jan w3
 (c) 2006 The Gale Group
 File 75:TGG Management Contents(R) 86-2006/Jan w3
 (c) 2006 The Gale Group
 File 95:TEME-Technology & Management 1989-2006/Jan w4
 (c) 2006 FIZ TECHNIK
 File 348:EUROPEAN PATENTS 1978-2005/Dec w04
 (c) 2006 European Patent Office
 File 349:PCT FULLTEXT 1979-2005/UB=20051229,UT=20051222
 (c) 2005 WIPO/Univentio

Set	Items	Description
S1	228338	ALIAS? OR PSEUDONYM? OR NICKNAME OR ANONYM OR ALIAS OR AKA
S2	2369994	STATIC? OR ("NOT" OR DOESN()T OR DOESNT OR NEVER)(2W)(CHAN-GE? OR CHANGING OR DIFFERENT) OR PERMANENT
S3	2517198	DYNAMIC? OR (CONSTANT? OR DOES OR PERIODIC? OR ALTERNAT?)(-2W)(CHANGE? OR CHANGING OR DIFFERENT)
S4	496247	(TWO OR 2 OR DOUBLE OR DUAL)(2W)(PART OR PARTS OR SECTION - OR SECTIONS)
S5	618318	PIN OR PERSONAL()(ID OR IDENTIFIER? OR IDENTIFICATION)
S6	3840095	ACCOUNT
S7	6599383	TRANSACTION OR PURCHASE
S8	533287	"NOT"(3W)"KNOW"
S9	54401	"NOT"(5W)CARD
S10	1183	S1(2W)(CONTROLLER? ? OR MANAGER? ? OR HANDLER? ?) OR SEARC-H?(6N)ACCOUNT(6N)DATABASE?
S11	94316	(LINK? OR ASSOCIAT? OR RELATION?)(6N)S3
S12	588	(CHOOS? OR PICK? OR SELECT? OR CHOICE?)(3N)ALIAS
S13	3	S1(30N)S2(30N)S4(30N)S4
S14	155	S1(30N)S2(30N)S3
S15	1321	(S1 OR S5)(30N)S2(30N)S3
S16	156	S13 OR S14
S17	6	S6(30N)S16
S18	6	S17 NOT S13

?

? t17/3,k/all

17/3,k/1 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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02990071 933013931
**Ownership confinement ensures representation independence for
object-oriented programs**
Banerjee, Anindya; Naumann, David A
Association for Computing Machinery. Journal of the Association for
Computing Machinery v52n6 PP: 894-960 Nov 2005
ISSN: 0004-5411 JRNL CODE: ACJ

...ABSTRACT: formulates representation independence for classes, in an
imperative, object-oriented language with pointers, subclassing and
dynamic dispatch, class oriented visibility control, recursive types and
methods, and a simple form of module...

...called representation objects. Encapsulation of representation objects
is expressed by a restriction, called confinement, on aliasing .
Representation independence is proved for programs satisfying the
confinement condition. A static analysis is given for confinement that
accepts common designs such as the observer and factory patterns. The
formalization takes into account not only the usual interface between a
client and a class that provides an abstraction...

17/3,k/2 (Item 1 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management
(c) 2006 FIZ TECHNIK. All rts. reserv.

01483780 20010205364
Dynamic shape estimation using Kalman filtering
Lively, PS; Atalla, MJ; Hagood, NW
Lab. of Active Mater. & Structures, MIT, Cambridge, MA, USA
Smart Structures and Materials 2000: Smart Structures and Integrated
Systems, 6-9 March 2000, Newport Beach, CA, USA Proceedings of the SPIE -
The International Society for Optical Engineering, v3985, n10, pp521-532,
2000
Document type: Conference paper Language: English
Record type: Abstract
ISSN: 0277-786X

ABSTRACT:
This paper proposes the use of a modern control method, the Kalman filter,
to perform dynamic shape estimation of structures. Existing dynamic
shape estimation techniques use static estimation techniques at each time
step. This approach has been shown to be unsatisfactory, since aliasing
of the higher modes, which is largely not seen in the static case, occurs
strongly in the dynamic case. In many cases the aliasing produces
signal to noise ratios significantly greater than unity. The proposed
approach uses a Kalman...
...the higher modes as a component of the noise in the system. Also, unlike
the static techniques, the Kalman filter allows sensing of a number of
modes larger than the number of sensors, and it takes into account the
measurement errors. Numerical simulations show that the Kalman filtering
technique can reduce the error...

17/3,k/3 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

01203757
**DATA PROCESSING DEVICE AND METHOD
DISPOSITIF ET PROCEDE DE TRAITEMENT DE DONNEES**
Patent Applicant/Assignee:
PACT XPP TECHNOLOGIES AG, Muthmannstrasse 1, 80939 Munchen, DE, DE
(Residence), DE (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
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Ginger R. DeMille

DE (Nationality), (Designated only for: US)
WEINHARDT Markus, Westendstrasse 154, 80339 Munchen, DE, DE (Residence),
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BECKER Jurgen, Ottostrasse 10, 76744 Worth, DE, DE (Residence), DE
(Nationality), (Designated only for: US)

Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200510632 A2-A3 20050203 (WO 0510632)

Application: WO 2004EP6547 20040617 (PCT/WO EP04006547)

Priority Application: EP 200313694 20030617; EP 200315015 20030702

Designated States:

(All protection types applied unless otherwise stated - for applications
2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
SE SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext word Count: 68324

Fulltext Availability:

Detailed Description

Detailed Description

... 2)

Figure 12: Example of an anti-dependence with distance vector (0,2).

3.1.3 Interprocedural Alias Analysis

The aim of alias analysis is to determine if a memory location is
accessible by several objects, like variables...

...has a strong impact on data dependence analysis and on the application
of code optimizations. Aliases can occur.

with statically allocated data, like unions in C where all fields
refer to the same memory area, or with dynamically allocated data,
which are the usual targets of the analysis, or with pointers
referencing static data, like in C.

In Figure 13, we have a typical case of aliasing where p aliases b.

```
int b[100], *p;  
for(p=b; p < &b[100]; p++)  
    *p=0;
```

Figure 13: Example for typical aliasing

Alias analysis can be more or less precise depending on whether or not
it takes the control-flow into account. When it does, it is called
flow-sensitive, and when it does not, it is...

17/3,K/4 (Item 2 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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01093835

DATA PROCESSING METHOD AND DEVICE

PROCEDE ET DISPOSITIF DE TRAITEMENT DE DONNEES

Patent Applicant/Assignee:

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Legal Representative:

PIETRUK Claus Peter (agent), Heinrich-Lilienfein-Weg 5, 76229 Karlsruhe,
DE,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200415568 A2-A3 20040219 (WO 0415568)
Application: WO 2003EP8080 20030724 (PCT/WO EP03008080)
Priority Application: DE 10236271 20020807; DE 10236272 20020807; DE
10236269 20020807; WO 2002EP10065 20020816; DE 10238174 20020821; DE
10238173 20020821; DE 10238172 20020821; DE 10240022 20020827; DE
10240000 20020827; WO 2002DE3278 20020903; DE 10241812 20020906; WO
2002EP10084 20020909; DE 10243322 20020918; WO 2002EP10464 20020918; WO
2002EP10479 20020918; WO 2002EP10536 20020919; WO 2002EP10572 20020919;
EP 200222692 20021010; EP 200227277 20021206; DE 10300380 20030107; WO
2003DE152 20030120; WO 2003EP624 20030120; WO 2003DE489 20030218; DE
10310195 20030306; WO 2003DE942 20030321; DE 10315295 20030404; EP
20039906 20030430; DE 10321834 20030515; EP 200313694 20030617; EP
200315015 20030702

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT (utility model) AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR
CU CZ (utility model) CZ DE (utility model) DE DK (utility model) DK DM
DZ EC EE ES FI (utility model) FI GB GD GE GH GM HR HU ID IL IN IS JP KE
KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG
PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN
YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH (utility model) GM (utility model) KE (utility model) LS (utility
model) MW (utility model) MZ (utility model) TZ (utility model) UG
(utility model) ZM (utility model) ZW (utility model) SD SL SZ
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 59556

Fulltext Availability:

Detailed Description

Detailed Description

... Figure 12: Example of an anti-dependence with distance vector (0,2).

3.3 Interprocedural Alias Analysis

The aim of 'alias' analysis is to determine if a memory location is
aliased by several objects, like variables or arrays, in a program. It
has a strong impact on data dependence analysis and on the - applicatioi
of code optimizations. Aliases can occur with statically allocated
data, like unions in C where all fields refer to the same memory area, or
with dynamically allocated data, which are the usual targets of the
analysis. In Figure 13, we have a typical case of aliasing where p
alias b.

```
int b[100],*p;  
for(p=b;p < &b[100]@;p++)
```

Figure 13: Example for typical aliasing

Alias analysis can be more or less precise depending on whether c3r not
it takes the contrc:)I-flow into account . vv7'hen it does, it is called
flow-sensitive, and when it does. not, it...

17/3,K/5 (Item 3 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00997827 **Image available**

METHOD FOR PROVIDING CARDLESS PAYMENT

PROCEDE DE PAIEMENT SANS CARTE

Patent Applicant/Assignee:

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Inventor(s):

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HIRKA Jeffrey L, 1746 Carr Avenue, Memphis, TN 38104, US,

Legal Representative:

SCOTT Thomas J Jr (et al) (agent), Intellectual Property Department,
Hunton & Williams, 1900 K Street. N.W., Suite 1200, Washington, DC
20006-1109, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200327798 A2-A3 20030403 (WO 0327798)

Application: WO 2002us29649 20020920 (PCT/wo us0229649)

Priority Application: US 2001956997 20010921; US 2001957505 20010921

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 16229

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... as described above. Further, such user identification based on the
user identification parameters of an account -holder's 0 computer may be
utilized as a level of security in addition, rather than in substitution,
of an alias and/or a PIE.

In accordance with further embodiments of the method of the invention,
the alias and/or the PIE may include both static portions as well as
dynamic portions, i.e.,

20

changing portions. Illustratively, the first ten digits of an account
-holder's alias may be the account -holder's telephone number.
However, the last two digits change. The change of the last...

...to the transaction, which may not be desired or necessary.

In further explanation of the dynamic portion, the dynamic portion
may be dependent upon the time of day, the month, or the geographic area
...day, the customer might enter her phone number as the first ten digits
of the alias and "02" 1 0 as the last two digits of the alias,
assuming that the time is in the 2 o'clock hour, i.e., 2:45 p.m., for
example. It should of course be appreciated that the dynamic portion of
the alias and/or the PIE may be dependent upon a wide variety of
parameters as is of the invention, an 1 5 account -holder may routinely
use a particular alias and PIE, but in addition possess specialty PEs.
In accordance with this embodiment, the specialty...

Claim

... 28 The method of claim 26, wherein the step of performing the
transaction for the account number if ...being a portion of the
selected alias that is
notchanged;and

a dynamic portion, the dynamic portion, being a portion of the selected
alias that is changed, the method further including the step of
changing the dynamic portion of the selected alias while not changing
the static portion of the selected alias.

30 The method of claim 1, wherein the selected personal identification entry includes:
a static portion, the static portion being a portion of the selected personal identification entry that is not changed; and
a dynamic portion, the dynamic portion being a portion of the selected personal identification entry that is changed, the method further including the step of changing the dynamic portion of the selected personal identification entry while not changing the static portion of the selected personal identification entry.

42

. The method of claim 30, wherein the changing the dynamic portion of the selected personal identification entry while not changing the static portion of the selected personal identification entry is performed by the account-holder.

...digital assistant.

5 5

. The system of claim 54, wherein the selected alias includes:
a static portion, the static portion being a portion of the selected alias that is not changed; and
a dynamic portion, the dynamic portion being a portion of the selected alias that is changed, the account-holder changing the dynamic portion of the selected alias while not changing the static portion of the selected alias using the interface portion.

83 The system of claim 54, wherein the selected personal identification entry includes:
a static portion, the static portion being a portion of the selected personal identification entry that is not changed; and
a dynamic portion, the dynamic portion being a portion of the selected personal identification entry that is changed, the account-holder changing the dynamic portion of the selected personal identification entry while not changing the static portion of the selected personal identification entry using the interface portion.

84 The system of claim 54, wherein at least one of the selected alias and the entered personal identification entry is based on human characteristic recognition.

85 The system...

17/3,K/6 (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00801825 **Image available**
SYSTEMS AND METHODS FOR ANONYMOUS PAYMENT TRANSACTIONS
SYSTEMES ET PROCEDES PERMETTANT D'EFFECTUER DES OPERATIONS DE PAIEMENT ANONYMES

Patent Applicant/Assignee:

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Patent Applicant/Inventor:

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-- (Nationality), (Designated only for: US)
BLAGG Lynn Holm, 18318 Sunset Lane, Omaha, NE 68135, US, US (Residence),
-- (Nationality), (Designated only for: US)
WELLS Stephen, 125 N. 8th Street, Springfield, NE 68059, US, US
(Residence), -- (Nationality), (Designated only for: US)

Legal Representative:

HARRIS John R (agent), Morris, Manning & Martin, LLP, 1600 Atlanta
Financial Center, 3443 Peachtree Road, N.E., Atlanta, GA 30326, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200135355 A1 20010517 (WO 0135355)
Application: WO 2000US30675 20001108 (PCT/WO US0030675)
Priority Application: US 99164169 19991109; US 99476175 19991230



Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 16470

Fulltext Availability:

Detailed Description

Detailed Description

... preferably configured

to prevent a customer service representative (CSR) from making
online changes to an alias account's name, address, social security
number, and home and work phone number fields. These online
changes to the alias account are blocked because those fields provide
a

means of compromising the cardholder's identity. To ensure that a
cardholder's- identity is not compromised and a CSR does not
accidentally change these fields, the modification of these fields is
assigned to vault 1 14.

Even though the issuer is prevented from making online
name and address changes to the alias accounts, the issuer is able to
make these modifications using tape transactions. However, this
procedure...

?

? t13/3,k/all

13/3,k/1 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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01313061 **Image available**

METHOD FOR AT LEAST PARTIALLY COMPENSATING FOR ERRORS IN INK DOT PLACEMENT
DUE TO ERRONEOUS ROTATIONAL DISPLACEMENT
PROCEDE POUR LA COMPENSATION AU MOINS PARTIELLE D'ERREURS DANS LE PLACEMENT
POINTS D'ENCRE DUES A UN DEPLACEMENT ROTATIONNEL ERRONE

Patent Applicant/Assignee:

SILVERBROOK RESEARCH PTY LTD, 393 Darling Street, Balmain, New South
Wales 2041, AU, AU (Residence), AU (Nationality), (For all designated
states except: US)

Patent Applicant/Inventor:

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Balmain, New South Wales 2041, AU, AU (Residence), AU (Nationality),
(Designated only for: US)

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PLUNKETT Richard Thomas, Silverbrook Research Pty Ltd, 393 Darling
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WEBB Michael John, Silverbrook Research Pty Ltd, 393 Darling Street,
Balmain, New South Wales 2041, AU, AU (Residence), AU (Nationality),
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MORPHETT Benjamin David, Silverbrook Research Pty Ltd, 393 Darling
Street, Balmain, New South Wales 2041, AU, AU (Residence), AU
(Nationality), (Designated only for: US)

Patent and Priority Information (Country, Number, Date):

Patent: WO 2005120835 A1 20051222 (WO 05120835)

Application: WO 2004AU706 20040527 (PCT/WO AU04000706)

Priority Application: WO 2004AU706 20040527

Designated States:

(All protection types applied unless otherwise stated - for applications
2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
SE SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 618378

Fulltext Availability:
Claims

Claim

... SoPEC SYSTEM WITH USB HOST CONNECTION

SoPEC operation is broken up into a number of sections which are
outlined below. Buffer management in a SoPEC system is normally performed
by the...

...and DIU. DRAM initialisation. USB wakeup. 4) Download and authentication
of program (see Section 10 2). 5) Execution of program from DRAM. 6)
Retrieve operating parameters from PRINTER.QA and authenticate...

13/3,K/2 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00470881

**OBFUSCATION TECHNIQUES FOR ENHANCING SOFTWARE SECURITY
TECHNIQUES D'OBSCURCISSEMENT POUR AUGMENTER LA SECURITE DE LOGICIELS**

Patent Applicant/Assignee:

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COLLBERG Christian Sven,
THOMBORSON Clark David,
LOW Douglas wai kok,

Inventor(s):

COLLBERG Christian Sven,
THOMBORSON Clark David,
LOW Douglas wai kok,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9901815 A1 19990114
Application: WO 98US12017 19980609 (PCT/WO US9812017)
Priority Application: NZ 328057 19970609

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM
GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX
NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH
GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES
FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD
TG

Publication Language: English

Fulltext Word Count: 21004

Fulltext Availability:

Detailed Description

Detailed Description

... and Partial Evaluation

Deobfuscation also resembles partial evaluation. A partial evaluator splits a program into two parts : the static part which can be precomputed by the partial evaluator, and the dynamic ...is executed at runtime. The dynamic part would correspond to our original, unobfuscated, program. The static part would correspond to our bogus inner program, which, if it were identified, could be evaluated and removed at deobfuscation time. Like all other static inter-procedural analysis methods, partial evaluation is sensitive to aliasing . Hence, the same preventive SUBSTITUTE SHEET (RULE 26) transformations that were discussed in relation to...

13/3,K/3 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00235374

****Image available****

**IMPROVEMENTS IN TELEVISION SYSTEMS
AMELIORATIONS APPORTEES A DES SYSTEMES DE TELEVISION**

Patent Applicant/Assignee:

BRITISH BROADCASTING CORPORATION,
CROLL Michael George,
DREWERY John Oliver,
EASTERBROOK James Edward,
THOMAS Graham Alexander,

Inventor(s):

CROLL Michael George,
DREWERY John Oliver,
EASTERBROOK James Edward,
THOMAS Graham Alexander,

Ginger R. DeMille

Patent and Priority Information (Country, Number, Date):

Patent: WO 9309635 A1 19930513
Application: WO 92GB1988 19921030 (PCT/WO GB9201988)
Priority Application: GB 9123004 19911030

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AT AU BB BG BR CA CH CS DE DK ES FI GB HU JP KP KR LK LU MG MN MW NL NO
PL RO RU SD SE US AT BE CH DE DK ES FR GB GR IE IT LU MC NL SE BF BJ CF
CG CI CM GA GN ML MR SN TD TG

Publication Language: English

Fulltext Word Count: 8478

Fulltext Availability:

Detailed Description

Detailed Description

... the electronic post-filter is dominant and
signal frequencies that would give rise to dominant static or
dynamic vertical aliasing are attenuated.

Luminance display rate up-conversion is optional but if
included is performed in two parts, The first is interlaced-to
sequential conversion from 432/2:1 to 432/1:1...rate up conversion from
432 to 576 active
lines in converter 148 to reduce the static vertical alias remaining
after post filtering by the inevitably less than perfect display
spot profile, Block diagrams...

?

? show files;ds
 File 350:Derwent WPIX 1963-2006/UD,UM &UP=200606
 (c) 2006 Thomson Derwent
 File 344:Chinese Patents Abs Jan 1985-2006/Jan
 (c) 2006 European Patent Office
 File 347:JAPIO Nov 1976-2005/Sep(Updated 060103)
 (c) 2006 JPO & JAPIO
 File 371:French Patents 1961-2002/BOPI 200209
 (c) 2002 INPI. All rts. reserv.
 File 2:INSPEC 1898-2006/Jan w2
 (c) 2006 Institution of Electrical Engineers
 File 35:Dissertation Abs Online 1861-2006/Jan
 (c) 2006 ProQuest Info&Learning
 File 65:Inside Conferences 1993-2006/Jan w5
 (c) 2006 BLDSC all rts. reserv.
 File 99:Wilson Appl. Sci & Tech Abs 1983-2005/Dec
 (c) 2006 The HW Wilson Co.
 File 256:TECINFOSOURCE 82-2005/DEC
 (c) 2006 INFO.SOURCES INC
 File 474:New York Times Abs 1969-2006/Jan 29
 (c) 2006 The New York Times
 File 475:Wall Street Journal Abs 1973-2006/Jan 27
 (c) 2006 The New York Times
 File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
 (c) 2002 The Gale Group
 File 56:Computer and Information Systems Abstracts 1966-2006/Jan
 (c) 2006 CSA.
 File 23:CSA Technology Research Database 1963-2006/Jan
 (c) 2006 CSA.

Set	Items	Description
S1	16047	ALIAS? OR PSEUDONYM? OR NICKNAME OR ANONYM OR ALIAS OR AKA
S2	798938	STATIC? OR ("NOT" OR DOESN()T OR DOESNT OR NEVER)(2W)(CHAN-GE? OR CHANGING OR DIFFERENT) OR PERMANENT
S3	1819171	DYNAMIC? OR (CONSTANT? OR DOES OR PERIODIC? OR ALTERNAT?)(-2W)(CHANGE? OR CHANGING OR DIFFERENT)
S4	320537	(TWO OR 2 OR DOUBLE OR DUAL)(2W)(PART OR PARTS OR SECTION - OR SECTIONS)
S5	415533	PIN OR PERSONAL()(ID OR IDENTIFIER? OR IDENTIFICATION)
S6	660401	ACCOUNT
S7	241689	TRANSACTION OR PURCHASE
S8	10680	"NOT"(3W)"KNOW"
S9	3380	"NOT"(5W)CARD
S10	73	S1(2W)(CONTROLLER? ? OR MANAGER? ? OR HANDLER? ?) OR SEARCH?(6N)ACCOUNT(6N)DATABASE?
S11	39698	(LINK? OR ASSOCIAT? OR RELATION?)(6N)S3
S12	33	(CHOOS? OR PICK? OR SELECT? OR CHOICE?)(3N)ALIAS
S13	0	S1(30N)S2(30N)S4(30N)S4
S14	88	S1(30N)S2(30N)S3
S15	410	(S1 OR S5)(30N)S2(30N)S3
S16	88	S13 OR S14
S17	5	S6(30N)S16
S18	5	S17 NOT S13
S19	194	S10 OR S12 OR S14 OR S16:S18
S20	128	S19 NOT PY>2001
S21	135	S1 AND S2 AND S3
S22	106	RD (unique items)
S23	109	RD S20 (unique items)
S24	158	S22 OR S23
S25	140	S24 NOT PY>2001
S26	38	S24 FROM 350,344,347,371
S27	105	S25 NOT S26
S28	105	RD (unique items)

? t26/3,k/all; t28/3,k/all

26/3,K/1 (Item 1 from file: 350)
 DIALOG(R)File 350:Derwent WPIX
 (c) 2006 Thomson Derwent. All rts. reserv.

015572614 **Image available**
 WPI Acc No: 2003-634771/200360
 XRPX Acc No: N03-504823

Computer implemented data flow analysis for programs written in e.g. C, C++, involves performing pointer alias analysis and calculating static size of object to assign appropriate generation to objects

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: PINTER S; PORAT S

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020129343	A1	20020912	US 2000751566	A	20001228	200360 B
US 6457023	B1	20020924	US 2000751566	A	20001228	200360

Priority Applications (No Type Date): US 2000751566 A 20001228

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020129343	A1		14	G06F-009/45	
US 6457023	B1			G06F-017/30	

... implemented data flow analysis for programs written in e.g. C, C++, involves performing pointer alias analysis and calculating static size of object to assign appropriate generation to objects

Abstract (Basic):

... The object allocated in memory are referenced by pointers. The size of each object is statically calculated at allocation sites in program. A pointer alias analysis of program is performed to estimate object lifetimes which do not exceed actual lifetimes of respective objects. The objects are assigned to appropriate generation in response to pointer alias analysis and calculated static size of object.

... Computer implemented data flow analysis for programs written in languages with dynamically allocated data structures such as C, C++, Fortran 90, Java, and LISP...

...Title Terms: STATIC ;

26/3,K/2 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2006 Thomson Derwent. All rts. reserv.

015280330 **Image available**

WPI Acc No: 2003-341261/200332

XRFX Acc No: N03-272968

Dynamic memory allocation method for computer system, involves modifying memory allocation statement, when referred assignment statement does not allocate memory

Patent Assignee: GHOSH S (GHOS-I); KANHERE A (KANH-I); KRISHNAIYER R (KRIS-I); KULKARNI D (KULK-I); LI W (LIWW-I); LIM C (LIMC-I); NG J L (NGJL-I); INTEL CORP (ITLC)

Inventor: GHOSH S; KANHERE A; KRISHNAIYER R; KULKARNI D; LI W; LIM C; NG J L

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030005420	A1	20030102	US 2001896936	A	20010629	200332 B
US 6880154	B2	20050412	US 2001896936	A	20010629	200525

Priority Applications (No Type Date): US 2001896936 A 20010629

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20030005420	A1		12	G06F-009/45	
US 6880154	B2			G06F-009/45	

Dynamic memory allocation method for computer system, involves modifying memory allocation statement, when referred assignment statement

...

Abstract (Basic):

... For allocating dynamic memory in computer system (claimed) such as personal computer, laptop computers, mainframe computer, handheld devices...

...The dynamic memory allocation is optimized and the false data dependencies are eliminated. The alias -free test yields better

performance, when dynamically allocated memory behaves like a statically allocated array...
Title Terms: DYNAMIC ;

26/3,K/3 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2006 Thomson Derwent. All rts. reserv.

014348899 **Image available**
WPI Acc No: 2002-169602/200222
System and method for inquiring dormant account
Patent Assignee: LIM M S (LIMM-I)
Inventor: LIM M S
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No Kind Date Applicat No Kind Date Week
KR 2001090422 A 20011018 KR 200019269 A 20000412 200222 B
Priority Applications (No Type Date): KR 200015325 A 20000325
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
KR 2001090422 A 1 G06F-017/60

Abstract (Basic):
... an insurance company dormant account information database(16),
and a security corporation dormant account information database (17)
but also dormant account information being stored in the dormant
account information databases (15,16,17). Also, the dormant account
search engine(14) transmits the search result to the dormant
account information providing server(13...

26/3,K/4 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2006 Thomson Derwent. All rts. reserv.

014300617 **Image available**
WPI Acc No: 2002-121321/200216
Related WPI Acc No: 2001-146066; 2001-601416; 2002-618183
XRPX Acc No: N02-091000
Check writing point of sales system, searches consumer bank account
status and enables automated clearing house communication for
transferring funds using communication unit of central computer system
Patent Assignee: HILLS R R (HILL-I); NICHOLS H R (NICH-I)
Inventor: HILLS R R; NICHOLS H R
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No Kind Date Applicat No Kind Date Week
US 20010037299 A1 20011101 US 96775400 A 19961231 200216 B
US 2000562303 A 20000501
US 2001851609 A 20010509
Priority Applications (No Type Date): US 96775400 A 19961231; US 2000562303
A 20000501; US 2001851609 A 20010509
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
US 20010037299 A1 19 G06F-017/60 Cont of application US 96775400
Div ex application US 2000562303
Cont of patent US 6164528
Div ex patent US 6283366

Abstract (Basic):
... communication unit of a central computer system (302) coupled to
the terminal, communicates with external database with reference to
account information to search consumer bank account status and
enable automated clearing house communication for transferring funds
without using the check.

26/3,K/5 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX

(c) 2006 Thomson Derwent. All rts. reserv.

014238931 **Image available**

WPI Acc No: 2002-059629/200208

XRPX Acc No: N02-044238

Payment collection system in bank, searches name in database related to name in transfer information and credits payment in concerned person's account, when names in transfer and account information are mismatched

Patent Assignee: JOYO COMPUTER SERVICE KK (JOYO-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001306801	A	20011102	JP 2000120576	A	20000421	200208 B

Priority Applications (No Type Date): JP 2000120576 A 20000421

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2001306801	A		12	G06F-017/60	

Abstract (Basic):

... between the names, person's name corresponding to the name included in transfer information is searched in the database and the payment is credited in the concerned person's account otherwise the payment is canceled.

26/3,K/6 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014117204 **Image available**

WPI Acc No: 2001-601416/200168

Related WPI Acc No: 2001-146066; 2002-121321; 2002-618183

XRPX Acc No: N01-448627

Check writing point of sale system communicates with external databases to search payer bank account status and with electronic funds transfer system without using bank check as negotiable instrument

Patent Assignee: CHEQUEMARK PATENT INC (CHEQ-N)

Inventor: HILLS R R; NICHOLS H R

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6283366	B1	20010904	US 96775400	A	19961231	200168 B
			US 2000562303	A	20000501	

Priority Applications (No Type Date): US 96775400 A 19961231; US 2000562303 A 20000501

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6283366	B1		19	G06K-017/60	Cont of application US 96775400
					Cont of patent US 6164528

Check writing point of sale system communicates with external databases to search payer bank account status and with electronic funds transfer system without using bank check as negotiable instrument

Abstract (Basic):

... A central computer system (302) communicates with an external databases to search the payer bank account status and with an electronic funds transfer system, through an automated clearing house (ACH) network...

26/3,K/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2006 Thomson Derwent. All rts. reserv.

013815364 **Image available**

WPI Acc No: 2001-299576/200131

XRPX Acc No: N01-214885

Routine sequence identification for data processing in computer system, involves identifying sequence of routines, so that primary and last routines inputs and outputs source and destination type data,

respectively

Patent Assignee: BECOMM CORP (BECO-N)

Inventor: BALASSANIAN E; WOLF D S

Number of Countries: 085 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	week	
WO 200067152	A1	20001109	WO 99US9829	A	19990504	200131	B
AU 9937872	A	20001117	AU 9937872	A	19990504	200131	
			WO 99US9829	A	19990504		
EP 1177514	A1	20020206	EP 99920354	A	19990504	200218	
			WO 99US9829	A	19990504		
JP 2002543527	W	20021217	WO 99US9829	A	19990504	200312	
			JP 2000615923	A	19990504		
EP 1177514	B1	20041013	EP 99920354	A	19990504	200467	
			WO 99US9829	A	19990504		
DE 69921198	E	20041118	DE 99621198	A	19990504	200476	
			EP 99920354	A	19990504		
			WO 99US9829	A	19990504		

Priority Applications (No Type Date): WO 99US9829 A 19990504

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200067152 A1 E 59 G06F-017/30

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW

AU 9937872 A G06F-017/30 Based on patent WO 200067152

EP 1177514 A1 E G06F-017/30 Based on patent WO 200067152

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

JP 2002543527 W 64 G06F-005/00 Based on patent WO 200067152

EP 1177514 B1 E G06F-017/30 Based on patent WO 200067152

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DE 69921198 E G06F-017/30 Based on patent EP 1177514

Based on patent WO 200067152

Abstract (Basic):

... identified, so that a primary routine in the sequence inputs data of source type or alias type of source type as indicated by output pairs of alias types. The last routine outputs data of destination type and intermediate routine inputs data of output type or alias type of output type of previous routine in the sequence, as indicated by the pairs of alias types.

... Initially, pairs of alias types each having output type and input type, are output, where the data of output...

...that paths can be efficiently identified and data can be routed in accordance with the static routing information and dynamic routing information specified by the user. Provides an aliasing mechanism to identify the data of compatible types. Enables using switchboard mechanism to direct data...

26/3,K/8 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2006 Thomson Derwent. All rts. reserv.

013771720

WPI Acc No: 2001-255931/200126

XRPX Acc No: N01-182375

Method for cross-language representation and linking of object-oriented programs -

Patent Assignee: WU P (WUPP-I)

Inventor: WU P

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	week	
TW 412705	A	20001121	TW 98102581	A	19980221	200126	B

Priority Applications (No Type Date): TW 98102581 A 19980221

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
TW 412705	A			G06F-009/06	

Abstract (Basic):

... 3) Names are in the original naming convention of source languages. (4) Names can have aliases to be convenient for other languages' uses. (5) A name and a signature can be used to refer to a function. (6) Provide static and dynamic binding of object interfaces, which consist of public data members, member function, object sizes, and...

26/3,K/9 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2006 Thomson Derwent. All rts. reserv.

013421343 **Image available**

WPI Acc No: 2000-593282/200056

Related WPI Acc No: 2000-317251

XRFX Acc No: N00-439303

Internet site searching and listing system includes server search program to search site listings database in response to search inquiries by taking into account new denominated bid value entered by subscriber

Patent Assignee: SEARCHUP INC (SEAR-N)

Inventor: BUCK B J; MELCHER M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6078866	A	20000620	US 9890477	A	19980624	200056 B
			US 98153151	A	19980914	

Priority Applications (No Type Date): US 9890477 P 19980624; US 98153151 A 19980914

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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US 6078866	A	14	G06F-017/30	Provisional application	US 9890477
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Internet site searching and listing system includes server search program to search site listings database in response to search inquiries by taking into account new denominated bid value entered by subscriber

Abstract (Basic):

... match the given search inquiry from a user. The search program searches the site listings database in response to search inquiries from users by automatically taking into account the new denominated value bid entered by the subscriber for subscriber's site listing.

26/3,K/10 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2006 Thomson Derwent. All rts. reserv.

013201250 **Image available**

WPI Acc No: 2000-373123/200032

XRFX Acc No: N00-280148

Processing data storage procedure for account setting database, involves storing new data records into labeled physical files when relative processing data are replaced by character rows

Patent Assignee: NTT COMMUNICATION WEAR KK (NITE)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000125047	A	20000428	JP 98290526	A	19981013	200032 B

Priority Applications (No Type Date): JP 98290526 A 19981013

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2000125047	A		13	H04M-015/00	

Abstract (Basic):

... For searching the labeled files, for storing processing data
in account settling database used in telephone company...

26/3,K/11 (Item 11 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2006 Thomson Derwent. All rts. reserv.

013151586 **Image available**

WPI Acc No: 2000-323458/200028

XRPX Acc No: N00-243129

Mail delivery apparatus for MUA system, adds form information to
receiving call mail text and image information to background of text and
delivers mail to client computer

Patent Assignee: CASIO COMPUTER CO LTD (CASK)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000099417	A	20000407	JP 98266099	A	1998092	200028 B

Priority Applications (No Type Date): JP 98266099 A 19980921

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2000099417	A		12	G06F-013/00	

Abstract (Basic):

... The conversion condition of mail account is searched from a
database (13) by a CPU based on demand. Using the searched condition,
the form information is...

26/3,K/12 (Item 12 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2006 Thomson Derwent. All rts. reserv.

013050647 **Image available**

WPI Acc No: 2000-222501/200019

XRPX Acc No: N00-166584

Telephone billing and authentication providing method over network

Patent Assignee: AT & T CORP (AMTT)

Inventor: BOUANAKA H; RAHMAN M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6023502	A	20000208	US 97960772	A	19971030	200019 B

Priority Applications (No Type Date): US 97960772 A 19971030

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6023502	A		6	H04M-015/00	

Abstract (Basic):

... in computer protocol, is converted into a telephone protocol,
before transmitting it to a telephone database server. After
searching the database, the customer's telephone account is
charged based on the information from the message. Then a response
message is generated...

26/3,K/13 (Item 13 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2006 Thomson Derwent. All rts. reserv.

013022911 **Image available**

WPI Acc No: 2000-194762/200017

XRPX Acc No: N00-144139

Frequency measurement method of periodic signal in electrical motor drive
control system involves selecting subset of alias frequencies to
reduce errors in subsequent determination of frequency of periodic signal

Patent Assignee: MCDONNELL DOUGLAS CORP (MCDD)

Inventor: DUNCAN P H

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6026418	A	20000215	US 9629273	A	19961028	200017 B
			US 97957915	A	19971027	

Priority Applications (No Type Date): US 9629273 P 19961028; US 97957915 A 19971027

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6026418	A	27	G06F-017/10	Provisional application	US 9629273

Frequency measurement method of periodic signal in electrical motor drive control system involves selecting subset of alias frequencies to reduce errors in subsequent determination of frequency of periodic signal

26/3,K/14 (Item 14 from file: 350)

DIALOG(R)File 350:Derwent WPIX
(c) 2006 Thomson Derwent. All rts. reserv.

012755052 **Image available**

WPI Acc No: 1999-561169/199947

XRPX Acc No: N99-414624

Field programmable analog array circuit for anti- aliasing and smoothing filters, current-mode integrator

Patent Assignee: ANALOGIX/UNIV PORTLAND STATE (ANAL-N)

Inventor: PERKOWSKI M A; PIERZCHALA E

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5959871	A	19990928	US 93173414	A	19931223	199947 B
			US 94362838	A	19941222	

Priority Applications (No Type Date): US 94362838 A 19941222; US 93173414 A 19931223

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5959871	A	35	H03K-017/693	CIP of application	US 93173414

Field programmable analog array circuit for anti- aliasing and smoothing filters, current-mode integrator

Abstract (Basic):

... to be locally interconnected only when the programmable analog signal connections connected to the cell ldoes not change even when the number of cells in programmable array device varies. The analog processing portion...

...For current mode integrator, sample and hold circuit, anti- aliasing and smoothing filters, pulse slimming circuits in computer disk memories...

...Title Terms: ALIASING ;

26/3,K/15 (Item 15 from file: 350)

DIALOG(R)File 350:Derwent WPIX
(c) 2006 Thomson Derwent. All rts. reserv.

012556081 **Image available**

WPI Acc No: 1999-362187/199931

XRPX Acc No: N99-270205

Image data communication system in computer network - has server for forwarding information to management center, when receiving search demand from terminal requirement

Patent Assignee: NIPPONDENSO CO LTD (NPDE)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11134343	A	19990521	JP 97292962	A	19971024	199931 B

Priority Applications (No Type Date): JP 97292962 A 19971024

Patent Details:

Ginger R. DeMille

Patent No Kind Lan Pg Main IPC Filing Notes
JP 11134343 A 29 G06F-017/30

...Abstract (Basic): terminal (4). A billing unit (18) in management center subtracts image data provision fee from account value of system usage, where desired image data is searched from database (12...

26/3,K/16 (Item 16 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2006 Thomson Derwent. All rts. reserv.

012408237 **Image available**
WPI Acc No: 1999-214345/199918
XRPX Acc No: N99-157748
Multimedia enhancement instruction decoder in microprocessor
Patent Assignee: INTEL CORP (ITLC)
Inventor: KOSARAJU C
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No Kind Date Applicat No Kind Date Week
US 5884071 A 19990316 US 97829430 A 19970331 199918 B

Priority Applications (No Type Date): US 97829430 A 19970331
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
US 5884071 A 11 G06F-009/22

Abstract (Basic):
... is multimedia enhancement instruction, then a matching circuit (450) asserts one of select signals. A selector (480) selects an alias encoding based on asserted select signals.

26/3,K/17 (Item 17 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2006 Thomson Derwent. All rts. reserv.

012337102 **Image available**
WPI Acc No: 1999-143209/199912
XRPX Acc No: N99-104028
Method for facilitating payment from customer's financial account to payee - compiles account information databases from several financial institutions in first memory, receives and stores customer list from payee in second memory, searches databases to find customer account information and provides this to payee
Patent Assignee: MAIN STREET MARKETING (MAIN-N)
Inventor: KERN D A
Number of Countries: 081 Number of Patents: 002
Patent Family:
Patent No Kind Date Applicat No Kind Date Week
WO 9905633 A1 19990204 WO 98US15579 A 19980724 199912 B
AU 9885960 A 19990216 AU 9885960 A 19980724 199926

Priority Applications (No Type Date): US 9753740 P 19970725
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
WO 9905633 A1 E 34 G06F-017/60
Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW
AU 9885960 A G06F-017/60 Based on patent WO 9905633

... financial institutions in first memory, receives and stores customer list from payee in second memory, searches databases to find customer account information and provides this to payee

26/3,K/18 (Item 18 from file: 350)

DIALOG(R)File 350:Derwent WPIX
(c) 2006 Thomson Derwent. All rts. reserv.

012214612 **Image available**
WPI Acc No: 1999-020718/199902
XRPX Acc No: N99-017018

Additional subscriber number offering system for portable telephone -
searches storage database which stores beforehand telephone number
information and account point information for corresponding processed
information from signal processor

Patent Assignee: NIPPON DENKI TSUSHIN SYSTEM KK (NIDE)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10290294	A	19981027	JP 9799496	A	19970417	199902 B

Priority Applications (No Type Date): JP 9799496 A 19970417

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 10290294	A		10	H04M-003/54	

... searches storage database which stores beforehand telephone number
information and account point information for corresponding processed
information from signal processor

...Abstract (Basic): by a processor (18). A signal transmitter (17)
transmits the processed information. Then a storage database (19)
which stores beforehand the number information and the account point
information is searched .

26/3,K/19 (Item 19 from file: 350)

DIALOG(R)File 350:Derwent WPIX
(c) 2006 Thomson Derwent. All rts. reserv.

011677004 **Image available**
WPI Acc No: 1998-093913/199809
XRPX Acc No: N98-075145

Terminal information notification method for mobile communication -
involves performing notification of position data of moving terminal and
billing data, generated during circuit connection with terminal, to
calling party

Patent Assignee: SANYO ELECTRIC CO LTD (SAOL)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9321917	A	19971212	JP 96133811	A	19960528	199809 B

Priority Applications (No Type Date): JP 96133811 A 19960528

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 9321917	A		6	H04M-015/00	

...Abstract (Basic): The data, relating to the billing generated during
circuit connection with the terminal, is searched from an account
database . The searched position data and the billing data are
notified to the calling party...

26/3,K/20 (Item 20 from file: 350)

DIALOG(R)File 350:Derwent WPIX
(c) 2006 Thomson Derwent. All rts. reserv.

011511943 **Image available**
WPI Acc No: 1997-489858/199745
XRPX Acc No: N97-407989

Automatic positive cheque authorisation system receiving preprinted
cheques - receives cheque amount in cheque verifier with input data,
searches database for current balance based on transmitted cheque
account data, verifier issues approval or decline message based on
comparing cheque amount and current balance

Ginger R. DeMille

Patent Assignee: ELECTRONIC DATA SYSTEMS CORP (ELDA-N)

Inventor: FUNK W L

Number of Countries: 027 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9736267	A1	19971002	WO 97US5038	A	19970327	199745 B
AU 9725521	A	19971017	AU 9725521	A	19970327	199807
ZA 9702768	A	19981028	ZA 972768	A	19970401	199848

Priority Applications (No Type Date): US 96623481 A 19960328

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9736267	A1	E	22	G07F-007/10	
Designated States (National): AU BR CA JP KP KR MX NZ VN					
Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LU MC					
NL PT SE					
AU 9725521	A			G07F-007/10	Based on patent WO 9736267
ZA 9702768	A		21	G06F-000/00	

... receives cheque amount in cheque verifier with input data, searches database for current balance based on transmitted cheque account data, verifier issues approval or decline message based on comparing cheque amount and current balance

...Abstract (Basic): A cheque verifier (204) receives the cheque amount and the information from the input and searches the database for a current balance in response to the transmitted cheque account information. The cheque verifier issues an approval or decline message in response to a comparison...

26/3,K/21 (Item 21 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2006 Thomson Derwent. All rts. reserv.

011423580 **Image available**

WPI Acc No: 1997-401487/199737

XRPX Acc No: N97-333969

Magnetic resonance imaging method with improved temporal resolution - involves obtaining MR data for series of time frames and combining data to obtain data representative of average image with is used to obtain data representing signal portion of object

Patent Assignee: UNIV LELAND STANFORD JUNIOR (STRD)

Inventor: FREDRICKSON J O; PELC N J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5653233	A	19970805	US 95514292	A	19950811	199737 B

Priority Applications (No Type Date): US 95514292 A 19950811

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5653233	A		8		

...Abstract (Basic): The data representing an average image is used to obtain data representing the static portion of the object. The data from the obtained static portion and the data from one subframe is used to produce an image of the dynamic portion of the object during the subframe...

...improved over portion of field of view without increasing total acquisition time and with suffering aliasing artifacts by properly processing data for static material. Signal to noise ratio is not inordinately degraded...

26/3,K/22 (Item 22 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2006 Thomson Derwent. All rts. reserv.

011280893

WPI Acc No: 1997-258797/199723

Related WPI Acc No: 2003-014802; 2004-294253

XRPX Acc No: N97-214024

Communication apparatus for automated transaction of bets over network - has host computer with central database coupled to network of IO terminals enabling users to choose from several modes for entering betting data into database

Patent Assignee: ROSSIDES M T (ROSS-I)

Inventor: ROSSIDES M T

Number of Countries: 070 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9715362	A1	19970501	WO 96US16815	A	19961024	199723 B

Priority Applications (No Type Date): US 95569883 A 19951208; US 95547503 A 19951024

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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WO 9715362	A1	E 124	A63F-009/24	
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Designated States (National): AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN

Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG

...Abstract (Basic): The modes include a user account mode to establish a user account in the database. A search mode enabling a user to search the database. A place bet mode enabling a first user to place a bet into the database...

26/3,K/23 (Item 23 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2006 Thomson Derwent. All rts. reserv.

010945824 **Image available**

WPI Acc No: 1996-442774/199644

XRPX Acc No: N96-372875

Micro-operation assembling method for decoder - involves assembling aliased micro-operation from subsequent intermediate micro-operation and selected field stored in micro-alias register

Patent Assignee: INTEL CORP (ITLC)

Inventor: BOGGS D D; BROWN G L; HANCOCK M M; PARKER D D

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5559974	A	19960924	US 94204600	A	19940301	199644 B
			US 95459284	A	19950602	

Priority Applications (No Type Date): US 94204600 A 19940301; US 95459284 A 19950602

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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US 5559974	A	32	G06F-009/22	Cont of application US 94204600
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...Abstract (Basic): A selected field of the source intermediate micro-operation is stored in a micro-alias register. The selected field of the source intermediate micro-operation is independent of any operand of the microinstruction...

26/3,K/24 (Item 24 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2006 Thomson Derwent. All rts. reserv.

010590459 **Image available**

WPI Acc No: 1996-087412/199609

XRPX Acc No: N96-073351

using program call graphs to determine max. fixed point solution of inter-procedural bi-directional data flow problems in compiler - constructing intra-procedural flow graph nodes representing program statements that change data flow solution, with entry, exit and call site nodes and return point associated with each call site and substituting

new node values for call si

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: BURKE M G; CARINI P R; CHOI J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5485616	A	19960116	US 93135199	A	19931012	199609 B

Priority Applications (No Type Date): US 93135199 A 19931012

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5485616	A	17	G06F-009/44	

...Abstract (Basic): inter-procedural traversal of the Program Call Graph
is repeated until the inter-procedural solution does not change .
...

...ADVANTAGE - E.g. for determination of inter-procedural alias analysis
of computer software programs which contain pointers

26/3,K/25 (Item 25 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2006 Thomson Derwent. All rts. reserv.

010590188 **Image available**

WPI ACC No: 1996-087141/199609

XRPX ACC No: N96-073081

Cheque writing point of sale system for goods and services paid from
consumer funds - has first communication device integral to point of sale
terminal for electronically communicating with central computer system

Patent Assignee: RESOURCE TECHNOLOGY SERVICES INC (RESO-N)

Inventor: HILLS R R; NICHOLS H R

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5484988	A	19960116	US 92975717	A	19921113	199609 B
			US 94257390	A	19940609	

Priority Applications (No Type Date): US 92975717 A 19921113; US 94257390 A
19940609

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5484988	A	16	G06F-015/30	Cont of application US 92975717

...Abstract (Basic): central computer system second communication device
enables the central computer system to communicate with external
databases for performing a consumer bank account status search and
further enabling automated clearing house communication for
transferring funds without using the bank check...

26/3,K/26 (Item 26 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2006 Thomson Derwent. All rts. reserv.

010529015 **Image available**

WPI ACC No: 1996-025968/199603

XRPX ACC No: N96-022103

Communication system for public communication network - has database
that searches for account rate according to specified identifier of
that particular communication terminal

Patent Assignee: NIPPON TELEGRAPH & TELEPHONE CORP (NITE)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 7297956	A	19951110	JP 9484706	A	19940422	199603 B

Priority Applications (No Type Date): JP 9484706 A 19940422

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 7297956	A	5	H04M-015/00	

... has database that searches for account rate according to specified identifier of that particular communication terminal

...Abstract (Basic): to control the connection of a call according to the account rate specified in the database. A memory unit in the exchange stores the account rate set by the service contractor. The database searches the account rate depending on the identifier of the communication terminal...

26/3,K/27 (Item 27 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2006 Thomson Derwent. All rts. reserv.

010229141 **Image available**

WPI Acc No: 1995-130398/199517

XRFX Acc No: N95-102490

Discrete spatial sensing system for characterising structures - has spatially distributed shape or sensitivity so that output decreases away from central part of sensor, and thus combined outputs have finite spatial transform as well as high roll off

Patent Assignee: MASSACHUSETTS INST TECHNOLOGY (MASI)

Inventor: ANDERSSON M S; CRAWLEY E F

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5398885	A	19950321	US 92975510	A	19921112	199517 B

Priority Applications (No Type Date): US 92975510 A 19921112

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5398885	A		39	G01N-029/04	

...Abstract (Basic): from an interior region of the sensor to provide a spatially transformed output signal without aliasing that rolls off quickly with frequency. The weighting tapers symmetrically to zero at edges of...

...USE/ADVANTAGE - E.g. for estimating global shape or other physical state of dynamic structure. Avoids aliasing involving static modes of high spatial frequency. Improved stability of control scheme...

26/3,K/28 (Item 28 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2006 Thomson Derwent. All rts. reserv.

010180585 **Image available**

WPI Acc No: 1995-081838/199511

XRFX Acc No: N95-064848

Dynamic physical address aliasing for program debugging - involves using portion of permanent linear address of debugger program to determine an index to Page Directory Entry that maps debugger program

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: EVANS D H

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5386522	A	19950131	US 91815734	A	19911230	199511 B

Priority Applications (No Type Date): US 91815734 A 19911230

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5386522	A		7	G06F-012/08	

Dynamic physical address aliasing for program debugging...

...involves using portion of permanent linear address of debugger program to determine an index to Page Directory Entry that maps...

...Abstract (Basic): An address aliasing method comprises providing a debugger program stored in physical memory, providing a program to be

Ginger R. DeMille

debugged stored in the physical memory, determining a **permanent** linear address of the debugger program, excerpting a portion of the **permanent** linear address of the debugger program to determine an index to a Page Directory Entry...

Title Terms: **DYNAMIC** ;

26/3,K/29 (Item 29 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2006 Thomson Derwent. All rts. reserv.

008490849 **Image available**
WPI Acc No: 1990-377849/199051
XRPX Acc No: N90-287969

Display system for producing colour images - uses echo icons and interactive user interface to enable colour images to be drawn

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC); IBM CORP (IBMC)

Inventor: YANKER P C

Number of Countries: 006 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 403120	A	19901219	EP 90305968	A	19900531	199051 B
CA 2012799	A	19901216				199111
EP 403120	A3	19920401	EP 90305968	A	19900531	199328
US 5249263	A	19930928	US 89367526	A	19890616	199340
CA 2012799	C	19940802	CA 2012799	A	19900322	199433
EP 403120	B1	19970108	EP 90305968	A	19900531	199707
DE 69029605	E	19970220	DE 629605	A	19900531	199713
			EP 90305968	A	19900531	

Priority Applications (No Type Date): US 89367526 A 19890616

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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US 5249263	A	16	G06F-005/06		
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EP 403120	B1 E	17	G06F-003/033		
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Designated States (Regional): DE FR GB IT

DE 69029605	E	G06F-003/033	Based on patent EP 403120
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CA 2012799	C	G09G-005/08	
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...Abstract (Basic): The display interface includes image colour choice areas together with anti alias colour choice areas, a current colour area, an echo icon area and user movable cursor indications...

...Abstract (Equivalent): displaying the colour choice in the current colour selection area (46); characterised by: displaying anti- alias colour choice areas (20) and an echo icon area (40); and temporarily altering the display to reflect...

...Abstract (Equivalent): includes a screen for displaying an interactive user interface. The display interface includes image colour choice areas, anti- alias colour choice areas, a current colour area, an echo icon area and user-movable cursor indications. The...

26/3,K/30 (Item 30 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2006 Thomson Derwent. All rts. reserv.

007713955 **Image available**
WPI Acc No: 1988-347887/198849
XRPX Acc No: N88-263619

Access security data system for automatic banking - uses random transformation of entered data before transmission for verification to protect search

Patent Assignee: DASSAULT AUTOMATISMES & TELECOM (AVIO); ELECTRONIQUE DASSAULT SERGE (ELMD)

Inventor: COLLIN T

Number of Countries: 012 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 294248	A	19881207	EP 88400930	A	19880415	198849 B
FR 2615638	A	19881125				198903
EP 294248	B1	19940119	EP 88400930	A	19880415	199403
DE 3887207	G	19940303	DE 3887207	A	19880415	199410

Ginger R. DeMille

ES 2048211 T3 19940316 EP 88400930 A 19880415 199415
EP 88400930 A 19880415

Priority Applications (No Type Date): FR 877093 A 19870520

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 294248 A F 11

Designated States (Regional): BE CH DE ES GB GR IT LI LU NL SE

EP 294248 B1 F 15 G07F-007/10

Designated States (Regional): BE CH DE ES GB GR IT LI LU NL SE

DE 3887207 G G07F-007/10 Based on patent EP 294248

ES 2048211 T3 G07F-007/10 Based on patent EP 294248

...Abstract (Equivalent): 10) for said authorization code in the form of an authorization integer known as an 'alias' (aj), - random selection means (13) adapted for defining auxiliary random integers (ri), - first calculation means (11) adapted for...

26/3,K/31 (Item 31 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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007081872

WPI Acc No: 1987-081869/198712

WRPX Acc No: N87-061705

Identifying frequency components of signal - performing digital sampling at rate no greater than approx. half frequency of lowest expected frequency component

Patent Assignee: WESTINGHOUSE BRAKE & SIGNAL (WESA)

Inventor: PILKINGTON S D J

Number of Countries: 011 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2180377	A	19870325	GB 8522845	A	19850916	198712 B
AU 8662661	A	19870319				198718
EP 229443	A	19870722	EP 86305250	A	19860708	198729
CN 8606042	A	19870401				198825
US 4777605	A	19881011	US 86882054	A	19860703	198843
GB 2180377	B	19890215				198907
ES 2002347	A	19880801	ES 861928	A	19860916	198926
EP 229443	B	19900926				199039
DE 3674565	G	19901031				199045

Priority Applications (No Type Date): GB 8522845 A 19850916

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 229443 A E

Designated States (Regional): BE DE FR IT NL SE

US 4777605 A 8

EP 229443 B

Designated States (Regional): BE DE FR IT NL SE

...Abstract (Equivalent): circuit receiver which is to identify a predetermined carrier frequency or FSK signal, the anti-alias filter is selected to exclude frequencies other than those in a frequency band including the particular track signal...

26/3,K/32 (Item 1 from file: 347)

DIALOG(R)File 347:JAPIO

(c) 2006 JPO & JAPIO. All rts. reserv.

06676665 **Image available**

MAGNETIC RESONANCE DEVICE

PUB. NO.: 2000-262492 [JP 2000262492 A]

PUBLISHED: September 26, 2000 (20000926)

INVENTOR(S): HAJNAL JOSEPH VILMOS

APPLICANT(S): MARCONI ELECTRONIC SYST LTD

APPL. NO.: 2000-068205 [JP 200068205]

FILED: March 13, 2000 (20000313)

PRIORITY: 9905727 [GB 995727], GB (United Kingdom), March 13, 1999

(19990313)

ABSTRACT

...6 connected to a display for displaying an image generated by a magnetic resonance image pickup device. In the alias coil 5, the influence of a desired slice and the alias area is calculated, and...

26/3,K/33 (Item 2 from file: 347)

DIALOG(R)File 347:JAPIO

(c) 2006 JPO & JAPIO. All rts. reserv.

06219939 **Image available**

METHOD FOR GENERATING OBJECT PROGRAM FOR REFORMING EXECUTION TIME DEPENDENT ANALYSIS

PUB. NO.: 11-161500 [JP 11161500 A]

PUBLISHED: June 18, 1999 (19990618)

INVENTOR(s): SATO SHIGEHISA
IIZUKA TAKAYOSHI

APPLICANT(s): HITACHI LTD
REAL WORLD COMPUTING PARTNERSHIP

APPL. NO.: 09-327623 [JP 97327623]

FILED: November 28, 1997 (19971128)

ABSTRACT

...SOLVED: To optimize a program for which sufficient analysis accuracy can not be obtained by static analysis concerning dependency between data to be referred to especially in a loop as there is a dynamic alias relation between parameters.

SOLUTION: Concerning an intermediate code generated from a source program 101 by a front end 104, the alias relation between control flow and a parameter is statically analyzed (105), a set of parameters is divided into equivalent groups based on the provided alias relation (107), reference of the alias parameter in the program is erased by expressing the reference of parameters belonging to the...

... which conditions for establishing the dependent relation on the intermediate code without referring to the alias parameter are added, is obtained (109) and the presence/absence of the dependent relation is...

26/3,K/34 (Item 3 from file: 347)

DIALOG(R)File 347:JAPIO

(c) 2006 JPO & JAPIO. All rts. reserv.

05915513 **Image available**

AUTOMATIC ELECTRONIC MAIL ADDRESS PROVIDING METHOD

PUB. NO.: 10-198613 [JP 10198613 A]

PUBLISHED: July 31, 1998 (19980731)

INVENTOR(s): KANISHIMA KEN

APPLICANT(s): NIPPON TELEGR & TELEPH CORP <NTT> [000422] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 09-001494 [JP 971494]

FILED: January 08, 1997 (19970108)

ABSTRACT

... applicant through a terminal 110. At the server 130, a subdomain having the non-used account is successively searched from the 1st candidate account while referring to a subdomain database 140. When the subdomain having the non-used account is detected, at that time point...

26/3,K/35 (Item 4 from file: 347)

DIALOG(R)File 347:JAPIO

(c) 2006 JPO & JAPIO. All rts. reserv.

05720274 **Image available**

METHOD FOR REUTILIZING PARTS OF CONFIGURATION TOOL FOR CONTROLLING DESIGN

Ginger R. DeMille

PUB. NO.: 10-003374 [JP 10003374 A]
PUBLISHED: January 06, 1998 (19980106)
INVENTOR(s): FURUSAWA NAOKI
APPLICANT(s): YAMATAKE HONEYWELL CO LTD [000666] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 08-155295 [JP 96155295]
FILED: June 17, 1996 (19960617)

ABSTRACT

... and a property sheet 43 of the control parts 29 is opened. when 'making into alias' in it is selected, the control parts 29 in the editing sheet 22 becomes reference parts. In this case...

26/3,K/36 (Item 5 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2006 JPO & JAPIO. All rts. reserv.

05545779 **Image available**
METHOD FOR DISPLAYING CHARACTERS OF WORDS ON COMMUNICATION KARAOKE DEVICE

PUB. NO.: 09-160579 [JP 9160579 A]
PUBLISHED: June 20, 1997 (19970620)
INVENTOR(s): YAMADA ATSUSHI
APPLICANT(s): VICTOR CO OF JAPAN LTD [000432] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 07-346046 [JP 95346046]
FILED: December 11, 1995 (19951211)

ABSTRACT

... added in advance (S2), and when the characters of the words are reproduced the anti-alias process is performed selectively based on the information for anti-alias. Thus, the anti-alias process is performed if...

26/3,K/37 (Item 6 from file: 347)
DIALOG(R)File 347:JAPIO
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04316678 **Image available**
ELECTRONIC MAIL ADDRESS SETTING SYSTEM

PUB. NO.: 05-308378 [JP 5308378 A]
PUBLISHED: November 19, 1993 (19931119)
INVENTOR(s): ISHIKAWA AKIRA
APPLICANT(s): MATSUSHITA ELECTRIC IND CO LTD [000582] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 04-113418 [JP 92113418]
FILED: May 06, 1992 (19920506)
JOURNAL: Section: E, Section No. 1514, Vol. 18, No. 113, Pg. 20, February 23, 1994 (19940223)

ABSTRACT

... tables that the individuals possess are prepared. when an electronic mail is generated, a user selects an alias for an electronic mail destination address to be set from a range 16 which can...

26/3,K/38 (Item 7 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2006 JPO & JAPIO. All rts. reserv.

04128724 **Image available**
PICTURE DATA OPTIMIZATION SYSTEM

PUB. NO.: 05-120424 [JP 5120424 A]
PUBLISHED: May 18, 1993 (19930518)
INVENTOR(s): HATANAKA HIROMI
APPLICANT(s): TOHOKU NIPPON DENKI SOFTWARE KK [000000] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 03-275985 [JP 91275985]
FILED: October 24, 1991 (19911024)

Ginger R. DeMille

JOURNAL: Section: P, Section No. 1606, Vol. 17, No. 488, Pg. 158,
September 03, 1993 (19930903)

ABSTRACT

PURPOSE: To clearly see a picture by automatically removing an alias by selecting an optimal filter at each edge picture element, reducing the variation of the picture data...

28/3,K/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

08317907 INSPEC Abstract Number: A2002-16-0650-002, C2002-08-7320-044

Title: PCSIWIN: a windows-based index program with Hanawalt, Fink and alphabetic search capabilities for use with the ICDD powder diffraction file (PDF)

Author(s): Faber, J.; Weth, C.A.; Jenkins, R.

Author Affiliation: Int. Centre for Diffraction Data (ICDD), Newtown Square, PA, USA

Journal: Materials Science Forum vol.378-381, pt.1 p.106-11

Publisher: Trans Tech Publications,

Publication Date: 2001 Country of Publication: Switzerland

CODEN: MSFOEP ISSN: 0255-5476

SICI: 0255-5476(2001)378/381:1L.106:PWBI;1-G

Material Identity Number: H866-2001-010

Language: English

Subfile: A C

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...Abstract: has been developed a PC-based Search/Index program for extracting information from powder diffraction databases. The program provides adjustable search and match windows to account for experimental errors. Both Hanawalt and Fink search methods are incorporated. PCSIWIN is designed as a replacement for these paper based methods. We...

28/3,K/2 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

08269600 INSPEC Abstract Number: A2002-13-4285F-001, B2002-06-4150-025

Title: A critical evaluation of test patterns for EO system performance characterization

Author(s): Bijl, P.; Valetton, J.M.; Hogervorst, M.A.

Author Affiliation: TNO Human Factors, Soesterberg, Netherlands

Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.4372 p.27-38

Publisher: SPIE-Int. Soc. Opt. Eng,

Publication Date: 2001 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

SICI: 0277-786X(2001)4372L.27:CETP;1-I

Material Identity Number: C574-2002-002

U.S. Copyright Clearance Center Code: 0277-786X/01/\$15.00

Conference Title: Infrared Imaging Systems: Design, Analysis, Modeling, and Testing XII

Conference Sponsor: SPIE

Conference Date: 18-19 April 2001 Conference Location: Orlando, FL, USA

Language: English

Subfile: A B

Copyright 2002, IEE

...Abstract: pattern for end-to-end EO system performance testing in the laboratory has been the static 3- or 4-bar target. This choice was governed by linear systems approach. The introduction...

...cameras) has challenged the testing community to develop an alternative test, because the occurrence of aliasing has a completely different effect on periodic targets (such as the bar target) and real...

... An example is the TOD method that uses nonperiodic test patterns. Other examples are the **dynamic** MRT that uses a moving 4-bar target, and the MTD that uses the traditional **static** target but allows that not all four bars have to be present in the image...

...Identifiers: **dynamic** MRT

28/3,K/3 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

08175272 INSPEC Abstract Number: C2002-03-6150C-011

Title: **Estimating the impact of scalable pointer analysis on optimization**

Author(s): Das, M.; Liblit, B.; Fahndrich, M.; Rehof, J.

Conference Title: **Static Analysis. 8th International Symposium, SAS 2001.**

Proceedings (Lecture Notes in Computer Science vol.2126) p.260-78

Editor(s): Cousot, P.

Publisher: Springer-Verlag, Berlin, Germany

Publication Date: 2001 Country of Publication: Germany xi+436 pp.

ISBN: 3 540 42314 1 Material Identity Number: XX-2001-02104

Conference Title: **Static Analysis. 8th International Symposium, SAS 2001.**

Proceedings

Conference Date: 16-18 July 2001 Conference Location: Paris, France

Language: English

Subfile: C

Copyright 2002, IEE

...Abstract: the level of precision required to make them useful in compiler optimizations? We first describe **alias** frequency, a metric that measures the ability of a pointer analysis to determine that pairs of memory accesses in C programs cannot be **aliases**. We believe that this kind of information is useful for a variety of optimizations, while...

...the same answer as the best possible pointer analysis on at least 95% of all **statically** generated **alias** queries. In order to understand the potential run-time impact of the remaining 5% queries, we weight the **alias** queries by **dynamic** execution counts obtained from profile data. Flow-insensitive pointer analyses are accurate on at least 95% of the weighted **alias** queries as well. We then examine whether scalable pointer analyses are inaccurate on the remaining 5% **alias** queries because they are context-insensitive. To this end, we have developed a new context...

... millions of lines of code. We find that the new algorithm does not identify fewer **aliases** than the context-insensitive analysis.

28/3,K/4 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

08157928 INSPEC Abstract Number: A2002-05-4725-004

Title: **Revisiting numerical errors in direct and large eddy simulations of turbulence: physical and spectral spaces analysis**

Author(s): Fedioun, I.; Lardjane, N.; Gokalp, I.

Author Affiliation: Orleans Univ., France

Journal: Journal of Computational Physics vol.174, no.2 p.816-51

Publisher: Academic Press,

Publication Date: 10 Dec. 2001 Country of Publication: USA

CODEN: JCTPAH ISSN: 0021-9991

SICI: 0021-9991(20011210)174:2L;816:RNED;1-0

Material Identity Number: J039-2002-001

U.S. Copyright Clearance Center Code: 0021-9991/01/\$35.00

Language: English

Subfile: A

Copyright 2002, IEE

Abstract: Some recent studies on the effects of truncation and **aliasing** errors on the large eddy simulation (LES) of turbulent flows via the concept of modified...

... straightforwardly applicable to physical space calculations due to the nonequivalence by Fourier transform of spectral **aliasing** errors and numerical errors on a set of grid points in physical space. The

consequences of spectral **static aliasing** errors on a set of grid points are analyzed in one dimension of space for quadratic products and their derivatives. The **dynamical** process that results through time stepping is illustrated on the Burgers equation. A method based on midpoint interpolation is proposed to remove in physical space the **static** grid point errors involved in divergence forms. It is compared to the sharp filtering technique on finer grids suggested by previous authors. Global performances resulting from combination of **static aliasing** errors and truncation errors are then discussed for all classical forms of the convective terms...

... scale terms and numerical errors are confirmed with 3D realistic random fields. The physical space **dynamical** behavior and the stability of typical associations of numerical schemes and forms of nonlinear terms...

Descriptors: computational fluid dynamics ;

28/3,K/5 (Item 5 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

08035090 INSPEC Abstract Number: C2001-10-6150G-029

Title: **Dynamic points-to sets: a comparison with static analyses and potential applications in program understanding and optimization**

Author(s): Mock, M.; Das, M.; Chambers, C.; Eggers, S.J.

Author Affiliation: Dept. of Comput. Sci. & Eng., Washington Univ., Seattle, WA, USA

Journal: SIGPLAN Notices Conference Title: SIGPLAN Not. (USA)
suppl.issue p.66-72

Publisher: ACM,

Publication Date: 2001 Country of Publication: USA

CODEN: SINODQ ISSN: 0362-1340

SICI: 0362-1340(2001)+L.66:DPSC;1-R

Material Identity Number: S202-2001-009

Conference Title: 2001 ACM SIGPLAN - SIGSOFT Workshop on Program Analysis for Software Tools and Engineering

Conference Sponsor: ACM

Conference Date: 18-19 June 2001 Conference Location: Snowbird, UT, USA

Language: English

Subfile: C

Copyright 2001, IEE

Title: **Dynamic points-to sets: a comparison with static analyses and potential applications in program understanding and optimization**

Abstract: The authors compare the behavior of pointers in C programs, as approximated by **static** pointer analysis algorithms, with the actual behavior of pointers when these programs are run. In...

... programs from the Spec95 and Spec2000 benchmark suites, the pointer information produced by existing scalable **static** pointer analyses is far worse than the actual behavior observed at run-time. These results have two implications. First, a tool like ours can be used to supplement **static** program understanding tools in situations where the **static** pointer information is too coarse to be usable. Second, a feedback-directed compiler can use profile data on pointer values to improve program performance by ignoring **aliases** that do not arise at run time (and inserting appropriate run-time checks to ensure...

Identifiers: **dynamic** points-to sets...

... **static** analyses...

... **static** pointer analysis algorithms...

...scalable **static** pointer analyses...

... **static** program understanding tools...

... **static** pointer information

28/3,K/6 (Item 6 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

08024600 INSPEC Abstract Number: C2001-10-3390C-074
Title: Vision-based reinforcement learning for robot navigation
Author(s): Weiyu Zhu; Levinson, S.
Author Affiliation: Dept. of Electr. & Comput. Eng., Illinois Univ.,
Urbana, IL, USA
Conference Title: IJCNN'01. International Joint Conference on Neural
Networks. Proceedings (Cat. No.01CH37222) Part vol.2 p.1025-30 vol.2
Publisher: IEEE, Piscataway, NJ, USA
Publication Date: 2001 Country of Publication: USA 4 vol. x1vi+3014
pp.
ISBN: 0 7803 7044 9 Material Identity Number: XX-2001-01582
U.S. Copyright Clearance Center Code: 0 7803 7044 9/2001/\$10.00
Conference Title: Proceedings of International Joint Conference on Neural
Networks (IJCNN'01)
Conference Sponsor: Int. Neural Network Soc.; Neural Networks Council of
IEEE
Conference Date: 15-19 July 2001 Conference Location: Washington, DC,
USA
Language: English
Subfile: C
Copyright 2001, IEE
...Abstract: for autonomous robot navigation. A hybrid state-mapping
model, which combines the merits of both static and dynamic state
assigning strategies, is proposed to solve the problem of state
organization in navigation-learning...

... in general, is first mapped to a small-sized conceptual state space for
learning in static. Then, ambiguities among the aliasing states, i.e.,
the same conceptual state is accidentally mapped to several physical states
that...

28/3,K/7 (Item 7 from file: 2)
DIALOG(R)File 2:INSPEC
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07929898 INSPEC Abstract Number: B2001-06-6140B-096, C2001-06-1260S-150
Title: Investigation of filtering techniques applied to the dynamic
shape estimation problem
Author(s): Lively, P.S.; Atalla, M.J.; Hagood, N.W.
Author Affiliation: Active Mater. & Structures Lab., MIT, Cambridge, MA,
USA
Journal: Smart Materials and Structures vol.10, no.2 p.264-72
Publisher: IOP Publishing
Publication Date: April 2001 Country of Publication: UK
CODEN: SMSTER ISSN: 0964-1726
SICI: 0964-1726(200104)10:2L:264:IFTA;1-6
Material Identity Number: P562-2001-002
U.S. Copyright Clearance Center Code: 0964-1726/2001/020264+09\$30.00
Language: English
Subfile: B C
Copyright 2001, IEE

Title: Investigation of filtering techniques applied to the dynamic
shape estimation problem

Abstract: This paper investigates the use of filtering techniques, such
as the Kalman filter, to perform dynamic shape estimation of structures.
Existing dynamic shape estimation techniques use static estimation
techniques at each time step. This approach has been shown to be
unsatisfactory, since aliasing of the higher modes, which is generally
not seen in the static case, occurs strongly in the dynamic case. In
many cases aliasing produces signal to noise ratios significantly greater
than unity. Two approaches are proposed. The first...

... contribute significantly to the deformation of the structure, reducing
effect of high-frequency noise and aliasing. The second approach uses a
Kalman filter to sift out the desired low-frequency modes...

... treating the higher modes as a component of the noise present in the
system. Unlike static estimation techniques, the Kalman filter-based

technique easily allows consideration of a number of modes larger than the number of sensors and takes into account the measurement errors. Numerical simulations were conducted to compare various dynamic estimation techniques and the results show that the Kalman filtering technique can reduce the error...

...Identifiers: dynamic shape estimation...

... static estimation

28/3,K/8 (Item 8 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

07840884 INSPEC Abstract Number: C2001-03-1340J-033

Title: Dynamic shape estimation using Kalman filtering

Author(s): Lively, P.S.; Atalla, M.J.; Hagood, N.W.

Author Affiliation: Lab. of Active Mater. & Structures, MIT, Cambridge, MA, USA

Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.3985 p.521-32

Publisher: SPIE-Int. Soc. Opt. Eng.

Publication Date: 2000 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

SICI: 0277-786X(2000)3985L:521:DSEU;1-Y

Material Identity Number: C574-2000-208

U.S. Copyright Clearance Center Code: 0277-786X/2000/\$15.00

Conference Title: Smart Structures and Materials 2000: Smart Structures and Integrated Systems

Conference Sponsor: SPIE; SEM-Soc. Exp. Mech.; ASME; BFGoodrich (USA); DARPA-Defense Adv. Res. Projects Agency; et al

Conference Date: 6-9 March 2000 Conference Location: Newport Beach, CA, USA

Language: English

Subfile: C

Copyright 2001, IEE

Title: Dynamic shape estimation using Kalman filtering

Abstract: This paper proposes the use of a modern control method, the Kalman filter, to perform dynamic shape estimation of structures. Existing dynamic shape estimation techniques use static estimation techniques at each time step. This approach has been shown to be unsatisfactory, since aliasing of the higher modes, which is largely not seen in the static case, occurs strongly in the dynamic case. In many cases the aliasing produces signal to noise ratios significantly greater than unity. The proposed approach uses a Kalman...

...the higher modes as a component of the noise in the system. Also, unlike the static techniques, the Kalman filter allows sensing of a number of modes larger than the number of sensors, and it takes into account the measurement errors. Numerical simulations show that the Kalman filtering technique can reduce the error...

Identifiers: dynamic shape estimation...

...spatial aliasing ;

28/3,K/9 (Item 9 from file: 2)

DIALOG(R)File 2:INSPEC

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07715325 INSPEC Abstract Number: B2000-11-1250-007, C2000-11-5135-006

Title: High-performance flexible all-digital quadrature up and down converter chip

Author(s): Pasko, R.; Rijnders, L.; Schaumont, P.; Vernalde, S.; Durackova, D.

Author Affiliation: IMEC, Leuven, Belgium

Conference Title: Proceedings of the IEEE 2000 Custom Integrated Circuits Conference (Cat. No.00CH37044) p.43-6

Publisher: IEEE, Piscataway, NJ, USA

Publication Date: 2000 Country of Publication: USA 596 pp.

Ginger R. DeMille

ISBN: 0 7803 5809 0 Material Identity Number: XX-2000-01396
U.S. Copyright Clearance Center Code: 0 7803 5809 0/2000/\$10.00
Conference Title: Proceedings of the IEEE 2000 Custom Integrated Circuits Conference
Conference Sponsor: IEEE Solid State Circuits Soc
Conference Date: 21-24 May 2000 Conference Location: Orlando, FL, USA
Language: English
Subfile: B C
Copyright 2000, IEE

...Abstract: presented. The signal up/downconversion is achieved by interpolation/decimation combined with a programmable anti-alias filter preserving the selected frequency band during the sample rate conversion. This way a high-speed solution with low...

28/3,K/10 (Item 10 from file: 2)
DIALOG(R)File 2:INSPEC
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07498669 INSPEC Abstract Number: C2000-03-5220-015
Title: Combining static and dynamic branch prediction to reduce destructive aliasing
Author(s): Patil, H.; Emer, J.
Author Affiliation: Alpha Corp. Group, Compaq Comput. Corp., Houston, TX, USA
Conference Title: Proceedings Sixth International Symposium on High-Performance Computer Architecture. HPCA-6 (Cat. No.PR00550) p. 251-62
Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA
Publication Date: 1999 Country of Publication: USA xiii+420 pp.
ISBN: 0 7695 0550 3 Material Identity Number: XX-2000-00100
U.S. Copyright Clearance Center Code: 0 7695 0550 3/2000/\$10.00
Conference Title: Proceedings of HPCA: 6th International Symposium on High-Performance Computer Architecture
Conference Sponsor: IEEE Comput. Soc. Tech. Committee on Comput. Archit
Conference Date: 8-12 Jan. 2000 Conference Location: Toulouse, France
Language: English
Subfile: C
Copyright 2000, IEE

Title: Combining static and dynamic branch prediction to reduce destructive aliasing

Abstract: Dynamic branch predictor accuracy is known to be degraded by the problem of aliasing that occurs when two branches with different run-time behavior share an entry in the dynamic predictor and that sharing results in mispredictions for the branches. In this paper, we analyze the use of state prediction of certain branches to relieve the aliasing problem in dynamic predictors. We report on our experience with using profile-directed feedback to select branches that can profitably be predicted statically in combination with some well known dynamic branch predictors. We found prediction rate improvements of up to 75% for a simple branch...

Identifiers: dynamic branch prediction...

... static branch prediction...

...destructive aliasing ;

28/3,K/11 (Item 11 from file: 2)
DIALOG(R)File 2:INSPEC
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07496206 INSPEC Abstract Number: C2000-03-6150G-010
Title: Interprocedural symbolic evaluation of Ada programs with aliases
Author(s): Blieberger, J.; Burgstaller, B.; Scholz, B.
Author Affiliation: Inst. for Comput.-Aided Autom., Tech. Univ. Wien, Austria
Conference Title: Reliable Software Technologies - Ada-Europe '99. 1999 Ada-Europe International Conference on Reliable Software Technologies. Proceedings. (Lecture Notes in Computer Science Vol.1622) p.136-45
Editor(s): Harbour, M.G.; de la Peunte, J.A.

Publisher: Springer-Verlag, Berlin, Germany
Publication Date: 1999 Country of Publication: Germany xiii+449 pp.
ISBN: 3 540 66093 3 Material Identity Number: XX-1999-01668
Conference Title: Proceedings of International Conference on Reliable
Software Technologies - Ada-Europe '99
Conference Date: 7-11 June 1999 Conference Location: Santander, Spain
Language: English
Subfile: C
Copyright 2000, IEE

Title: Interprocedural symbolic evaluation of Ada programs with aliases
Abstract: Symbolic evaluation is a technique aimed at determining dynamic properties of programs. We extend our intraprocedural dataflow framework introduced previously by J. Blieberger and...

... Our data-flow framework utilizes a novel approach based on an array algebra to handle aliases induced by procedure calls. It serves as a basis for static program analysis (e.g. reaching definitions-, alias analysis, worst-case performance estimations, cache analysis). Examples for reaching definitions as well as alias analysis are presented.
...Identifiers: aliases ; ...

... dynamic properties...

... static program analysis

28/3,K/12 (Item 12 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2006 Institution of Electrical Engineers. All rts. reserv.

07440417 INSPEC Abstract Number: C2000-01-4240-030
Title: A programming logic for sequential Java
Author(s): Poetzsch-Heffter, A.; Muller, P.
Author Affiliation: Fern Univ., Hagen, Germany
Conference Title: Programming Languages and Systems. 8th European Symposium on Programming, ESOP'99. Held as Part of the Joint European Conferences on Theory and Practice of Software, ETAPS'99. Proceedings p. 162-76
Editor(s): Doaitse Swierstra, S.
Publisher: Springer-Verlag, Berlin, Germany
Publication Date: 1999 **Country of Publication:** Germany x+305 pp.
ISBN: 3 540 65699 5 **Material Identity Number:** XX-1999-01988
Conference Title: Programming Languages and Systems. 8th European Symposium on Programming, ESOP'99
Conference Date: 22-28 March 1999 **Conference Location:** Amsterdam, Netherlands
Language: English
Subfile: C
Copyright 1999, IEE

...Abstract: kernel of Java is presented. It handles recursive methods, class and interface types, subtyping, inheritance, dynamic and static binding, aliasing via object references, and encapsulation. The logic is proved sound w.r.t. an SOS...
...Identifiers: aliasing ;

28/3,K/13 (Item 13 from file: 2)
DIALOG(R)File 2:INSPEC
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07440191 INSPEC Abstract Number: C2000-01-6110P-011
Title: Inter-procedural analysis for parallelization of Java programs
Author(s): Magnaghi, A.; Sakai, S.; Tanaka, H.
Author Affiliation: Tokyo Univ., Japan
Conference Title: Parallel Computation. 4th International ACPC Conference. Including Special Tracks on Parallel Numerics (ParNum'99) and Parallel Computing in Image Processing, Video Processing, and Multimedia. Proceedings p.594-5
Editor(s): Zinterhof, P.; Vajtersic, M.; Uhl, A.
Publisher: Springer-Verlag, Berlin, Germany

Publication Date: 1999 Country of Publication: Germany xv+604 pp.
ISBN: 3 540 65641 3 Material Identity Number: XX-1999-01940
Conference Title: Parallel Computation. 4th International ACP Conference
including Special Tracks on Parallel Numerics (ParNum'99) and Parallel
Computing in Image Processing, Video Processing, and Multimedia
Conference Date: 16-18 Feb. 1999 Conference Location: Salzburg,
Austria

Language: English

Subfile: C

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Abstract: Parallelization of Java programs is a complex task due to
inheritance, dynamic method dispatching and aliases. Our research aims
to perform static analysis of Java programs in order to identify implicit
parallelism. In this paper, we discuss...

... and implementing to characterize data-dependency. And then we enhance
this framework with type-based alias analysis.

...Identifiers: dynamic method dispatching...

... static analysis...

...type-based alias analysis

28/3,K/14 (Item 14 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

07291510 INSPEC Abstract Number: A1999-16-9260-014, B1999-08-7710B-013

Title: NSCAT high-resolution surface wind measurements in Typhoon Violet

Author(s): Jones, W.L.; Cardone, V.J.; Pierson, W.J.; Zec, J.; Rice, L.P.
; Cox, A.; Sylvester, W.B.

Author Affiliation: Remote Sensing Lab., Central Florida Univ., Orlando,
FL, USA

Journal: Journal of Geophysical Research vol.104, no.C5 p.11247-59

Publisher: American Geophys. Union,

Publication Date: 15 May 1999 Country of Publication: USA

CODEN: JGREA2 ISSN: 0148-0227

SICI: 0148-0227(19990515)104:C5L.11247:NHR5;1-4

Material Identity Number: J047-1999-038

U.S. Copyright Clearance Center Code: 0148-0227/99/1998JC900107\$09.00

Language: English

Subfile: A B

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...Abstract: each group. Since the cyclonic flow around the tropical
cyclone is known, NSCAT wind direction alias selection is easily
accomplished. The selected wind directions are then used to convert each
individual backscatter...

28/3,K/15 (Item 15 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

07267021 INSPEC Abstract Number: B1999-07-6310-027

Title: Element accessed array radar processing

Author(s): Wills, G.D.; Rees, H.D.; Skidmore, I.D.

Author Affiliation: Defence Evaluation & Res. Agency, Malvern, UK

Journal: Proceedings of the SPIE - The International Society for Optical
Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA)
vol.3461 p.196-207

Publisher: SPIE-Int. Soc. Opt. Eng,

Publication Date: 1998 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

SICI: 0277-786X(1998)3461L.196:EAAR;1-A

Material Identity Number: C574-1998-287

U.S. Copyright Clearance Center Code: 0277-786X/98/\$10.00

Conference Title: Advanced Signal Processing Algorithms, Architectures,
and Implementations VIII

Conference Sponsor: SPIE

Conference Date: 22-24 July 1998 Conference Location: San Diego, CA,

USA

Language: English

Subfile: B

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...Abstract: are given of adapted beam patterns and clutter output Doppler spectra within each domain. By choosing alias free domains, a clutter-free output is obtained for the sidelobe clutter scenario investigated. A...

28/3,K/16 (Item 16 from file: 2)

DIALOG(R)File 2:INSPEC

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07154993 INSPEC Abstract Number: C1999-03-6110J-024

Title: **Ownership types for flexible alias protection**

Author(s): Clarke, D.G.; Potter, J.M.; Noble, J.

Author Affiliation: Microsoft Res. Inst., Macquarie Univ., North Ryde, NSW, Australia

Conference Title: Conference Proceedings OOPSLA'98. Conference on Object-Oriented Programming, Systems, Languages and Applications p.48-64

Publisher: ACM, New York, NY, USA

Publication Date: 1998 Country of Publication: USA xi+422 pp.

ISBN: 0 201 30989 0 Material Identity Number: XX-1998-02956

U.S. Copyright Clearance Center Code: 1-58113-005-8/98/0010...\$5.00

Conference Title: Object-Oriented Programming, Systems, Languages and Applications (OOPSLA'98)

Conference Sponsor: ACM/SIGPLAN

Conference Date: 18-22 Oct. 1998 Conference Location: Vancouver, BC, Canada

Language: English

Subfile: C

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Title: **Ownership types for flexible alias protection**

Abstract: Object-oriented programming languages allow inter-object aliasing. Although necessary to construct linked data structures and networks of interacting objects, aliasing is problematic in that an aggregate object's state can change via an alias to one of its components, without the aggregate being aware of any aliasing. Ownership types form a static type system that indicates object ownership. This provides a flexible mechanism to limit the visibility of object references and restrict access paths to objects, thus controlling a system's dynamic topology. The type system is shown to be sound, and the specific aliasing properties that a system's object graph satisfies are formulated and proven invariant for well...

...Identifiers: inter-object aliasing ; ...

... static type system

28/3,K/17 (Item 17 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

07118737 INSPEC Abstract Number: C9902-6140D-008

Title: **Conference Record of POPL '98: 25th ACM SIGPLAN-SIGACT. Symposium on Principles of Programming Languages**

Publisher: ACM, New York, NY, USA

Publication Date: 1998 Country of Publication: USA viii+408 pp.

ISBN: 0 89791 979 3 Material Identity Number: XX98-02237

U.S. Copyright Clearance Center Code: 98/01..\$3.50

Conference Title: Proceedings of 25th Annual ACM SIGPLAN-SIGACT Symposium on Principles of Programming Languages

Conference Sponsor: ACM

Conference Date: 19-21 Jan. 1998 Conference Location: San Diego, CA, USA

Language: English

Subfile: C

Copyright 1998, IEE

Abstract: The following topics were dealt with: programming language

principles; higher-order unCurrying; **alias** analysis of executable code; escape analysis; data flow analysis; common intermediate language for ML and Haskell; typed assembly language; maximal **static** expansion; Array SSA Form; pointer analysis; edge and path profiling; type system for Java bytecode...

... and mixins; strictness properties; path-sensitive value-flow analysis; interprocedural class analysis; local type inference; **static** typing for **dynamic** messages; Church-style polymorphism; **dynamic** typing; proofs; types; safe mobile code; parallel beta reduction; parallelization in calculational forms; must- **alias** analysis; barrier inference; secure information flow in multi-threaded imperative language; SLam calculus; distributed mobile...

...Identifiers: **alias** analysis...

...maximal **static** expansion...

... **static** typing...

... **dynamic** messages...

... **dynamic** typing...

...must- **alias** analysis

28/3,K/18 (Item 18 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

07099079 INSPEC Abstract Number: C9901-6150N-070

Title: **Java and ActiveX-managing executable content**

Author(s): Radermacher, T.; Kocks, P.

Author Affiliation: Digitivity, Los Altos, CA, USA

Journal: Enterprise Middleware p.10-15

Publisher: Xephon,

Publication Date: Jan. 1998 Country of Publication: UK

Material Identity Number: G410-98001

Language: English

Subfile: C

Copyright 1998, IEE

Abstract: Many believe that Internet-originated executable content (aka 'mobile code')-including Microsoft's ActiveX and, most conspicuously, Java-will transform the world wide web from a **static** repository to a **dynamic** , interactive environment of electronic commerce. As the use of executable content is starting to become...

...Identifiers: **dynamic** interactive environment

28/3,K/19 (Item 19 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

06978053 INSPEC Abstract Number: C9809-6150G-005

Title: **Type-based alias analysis**

Author(s): Diwan, A.; McKinley, K.S.; Moss, J.E.B.

Author Affiliation: Dept. of Comput. Sci., Stanford Univ., CA, USA

Journal: SIGPLAN Notices Conference Title: SIGPLAN Not. (USA) vol.33, no.5 p.106-17

Publisher: ACM,

Publication Date: May 1998 Country of Publication: USA

CODEN: SINODQ ISSN: 0362-1340

SICI: 0362-1340(199805)33:5L:106:TBAA;1-V

Material Identity Number: S202-98007

Conference Title: ACM SIGPLAN '98 Conference on Programming Language Design and Implementation (PLDI)

Conference Sponsor: ACM

Conference Date: 17-19 June 1998 Conference Location: Montreal, Que., Canada

Language: English

Subfile: C

Copyright 1998, IEE

Title: Type-based alias analysis

Abstract: The paper evaluates three alias analyses based on programming language types. The first analysis uses type compatibility to determine aliases. The second extends the first by using additional high level information such as held names...

...researchers suggests using types to disambiguate memory references, none evaluates its effectiveness. We perform both static and dynamic evaluations of type based alias analyses for Modula-3, a statically typed type safe language. The static analysis reveals that type compatibility alone yields a very imprecise alias analysis, but the other two analyses significantly improve alias precision. We use redundant load elimination (RLE) to demonstrate the effectiveness of the three alias algorithms in terms of the opportunities for optimization, the impact on simulated execution times, and to compute an upper bound on what a perfect alias analysis would yield. We show modest dynamic improvements for RLE, and more surprisingly, that on average our alias analysis is within 2.5% of a perfect alias analysis with respect to RLE on 8 Modula-3 programs. These results illustrate that to explore thoroughly the effectiveness of alias analyses, researchers need static, dynamic, and upper bound analysis. In addition, we show that for type safe languages like Modula-3 and Java, a fast and simple alias analysis may be sufficient for many applications.

Identifiers: type based alias analysis...

...type based alias analyses...

... statically typed type safe language...

... static analysis...

... alias precision

28/3,K/20 (Item 20 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

06810117 INSPEC Abstract Number: C9803-7210L-001

Title: Transitioning to the Internet: results of a National Library of Medicine user survey

Author(s): Wood, F.B.; Wallingford, K.T.; Siegel, E.R.

Author Affiliation: Office of Health Inf. Programs Dept., Nat. Libr. of Med., Bethesda, MD, USA

Journal: Bulletin of the Medical Library Association vol.85, no.4 p.331-40

Publisher: Med. Libr. Assoc,

Publication Date: Oct. 1997 **Country of Publication:** USA

CODEN: BMLAAG **ISSN:** 0025-7338

SICI: 0025-7338(199710)85:4L:331:TIRN;1-M

Material Identity Number: B768-98001

Language: English

Subfile: C

Copyright 1998, IEE

...Abstract: However, only 26% of customers with Internet access were using the Internet to access NLM databases. Health care providers account for about 46% of NLM customers but, as a group, search NLM databases relatively infrequently even though they have higher-end equipment. Librarians and information professionals represent about...

28/3,K/21 (Item 21 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

06781488 INSPEC Abstract Number: C9801-6140D-040

Title: Java as a specification language for hardware-software systems

Author(s): Helaihel, R.; Olukotun, K.

Author Affiliation: Comput. Syst. Lab., Stanford Univ., CA, USA

Conference Title: 1997 IEEE/ACM International Conference on
Computer-Aided Design. Digest of Technical Papers (Cat. No.97CB36142) p.
690-7

Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA

Publication Date: 1997 Country of Publication: USA xxvi+767 pp.

ISBN: 0 8186 8200 0 Material Identity Number: XX97-02917

U.S. Copyright Clearance Center Code: 1092-3152/97/\$10.00

Conference Title: Proceedings of IEEE International Conference on
Computer Aided Design (ICCAD)

Conference Sponsor: IEEE Circuits & Syst. Soc.; IEEE Comput. Soc.; ACM
SIGDA; IEEE Electron Devices Soc

Conference Date: 9-13 Nov. 1997 Conference Location: San Jose, CA, USA

Language: English

Subfile: C

Copyright 1997, IEE

...Abstract: hardware-software systems. Java has several characteristics
that make it suitable for system specification. However static control
and data flow analysis of Java programs is problematic because Java classes
are dynamically linked. The paper provides a general solution to the
problem of statically analyzing Java programs using a technique that
pre-allocates most class instances and aggressively resolves memory
aliasing using global analysis. The output of the analysis is a control
data flow graph for...

...Identifiers: static control...

...memory aliasing ;

28/3,K/22 (Item 22 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

06758714 INSPEC Abstract Number: A9801-9730-015

Title: Orbital periods for the cataclysmic binaries VZ Pyxidis, CC Cancr,
and AH Eridani

Author(s): Thorstensen, J.R.

Author Affiliation: Dept. of Phys. & Astron., Dartmouth Coll., Hanover,
NH, USA

Journal: Publications of the Astronomical Society of the Pacific
vol.109, no.741 p.1241-5

Publisher: Astron. Soc. Pacific,

Publication Date: Nov. 1997 Country of Publication: USA

CODEN: PASPAU ISSN: 0004-6280

SICI: 0004-6280(199711)109:741L:1241:OPCB;1-U

Material Identity Number: P042-97012

Language: English

Subfile: A

Copyright 1997, IEE

...Abstract: superhump period and the Remillard et al. (1994) short time
base velocity study constrain the alias choice to a single value. For
CC Cnc, a preliminary measurement by Munari et al. (IAUC...

28/3,K/23 (Item 23 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

06742851 INSPEC Abstract Number: C9712-6150C-007

Title: Dynamic resolution: a runtime technique for the parallelization
of modifications to directed acyclic graphs

Author(s): Huelsbergen, L.

Author Affiliation: Lucent Lab., AT&T Bell Labs., Murray Hill, NJ, USA

Journal: International Journal of Parallel Programming vol.25, no.5
p.385-417

Publisher: Plenum,

Publication Date: Oct. 1997 Country of Publication: USA

CODEN: IJPPE5 ISSN: 0885-7458

SICI: 0885-7458(199710)25:5L:385:DRRT;1-I

Material Identity Number: J805-97005

U.S. Copyright Clearance Center Code: 0885-7458/97/1000-0385\$12.50/0

Language: English
Subfile: C
Copyright 1997, IEE

Title: Dynamic resolution: a runtime technique for the parallelization of modifications to directed acyclic graphs

Abstract: Static program analysis limits the performance improvements possible from compile-time parallelization. Dynamic parallelization shifts a portion of the analysis from compile-time to runtime, thereby enabling optimizations whose static detection is overly expensive or impossible. Dynamic resolution is a dynamic -parallelization technique for finding loop and nonloop parallelism in imperative, sequential programs that destructively manipulate dynamic directed acyclic graphs (DAGs). Dynamic resolution uses runtime reference counts on heap data, a runtime linearization of threads, and a simple static analysis to dynamically detect potential heap aliases and to correctly coordinate parallel access to shared structures. The author describes dynamic resolution in the context of two imperative procedures: DAG rewrite and destructive quicksort. The description...

... safe language ML; with some programmer assertions and custom macros for pointer and memory manipulation, dynamic resolution is applicable to pointer-unsafe languages (C extended with threads) as well. Furthermore, with programmer identification of cyclic structure, dynamic resolution can be used to find parallelism in programs that manipulate cyclic structures. Shared-memory implementations of dynamic resolution for ML and C have attained parallel speedup for nontrivial sequential procedures such as...

Identifiers: dynamic resolution...

... dynamic parallelization...

...destructive dynamic directed acyclic graph manipulation...

... static analysis...

... dynamic potential heap alias detection

28/3,K/24 (Item 24 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

06672372 INSPEC Abstract Number: C9710-6150C-005

Title: Interprocedural array redistribution data-flow analysis

Author(s): Palermo, D.J.; Hodges, E.W., IV; Banerjee, P.

Author Affiliation: Convex Div., Hewlett-Packard Co., Richardson, TX, USA

Conference Title: Languages and Compilers for Parallel Computing. 9th International Workshop, LCPC'96. Proceedings p.435-49

Editor(s): Sehr, D.; Banerjee, U.; Gelernter, D.; Nicolau, A.; Padua, D.

Publisher: Springer-Verlag, Berlin, Germany

Publication Date: 1997 **Country of Publication:** Germany xiii+612 pp.

ISBN: 3 540 63091 0 **Material Identity Number:** XX97-01502

Conference Title: Proceedings Languages and Compilers for Parallel Computing. 9th International Workshop, LCPC'96. Proceedings

Conference Date: 8-10 Aug. 1996 **Conference Location:** San Jose, CA, USA

Language: English

Subfile: C

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...Abstract: be known at compile-time. We present an interprocedural data-flow framework which takes into account both explicit and implicit redistribution to automatically: (1) determine which distributions hold over specific sections of a program; (2) optimize both the inter- and intraprocedural transitions between dynamic distributions while still maintaining the original semantics of the HPF program; (3) determine when the...

... different redistribution operations on multiple paths within a function or as a result of parameter aliasing (resulting in a non-conforming HPF program); (4) convert (well-behaved) dynamic HPF programs into equivalent

static forms through a process we refer to as static distribution assignment (SDA) which can be used to extend the capabilities of existing subset HPF compilers that support static data distributions. As the approach presented has already been implemented as part of the PARADIGM...
...Identifiers: parameter aliasing ; ...

... static distribution assignment

28/3,K/25 (Item 25 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

06658675 INSPEC Abstract Number: C9709-4240P-033

Title: Context-sensitive interprocedural analysis in the presence of dynamic aliasing

Author(s): Sathyanathan, P.W.; Lam, M.S.

Author Affiliation: Comput. Syst. Lab., Stanford Univ., CA, USA

Conference Title: Languages and Compilers for Parallel Computing. 9th International Workshop, LCPC'96. Proceedings p.101-19

Editor(s): Sehr, D.; Banerjee, U.; Gelernter, D.; Nicolau, A.; Padua, D.

Publisher: Springer-Verlag, Berlin, Germany

Publication Date: 1997 Country of Publication: Germany xiii+612 pp.

ISBN: 3 540 63091 0 Material Identity Number: XX97-01502

Conference Title: Proceedings Languages and Compilers for Parallel Computing. 9th International Workshop, LCPC'96. Proceedings

Conference Date: 8-10 Aug. 1996 Conference Location: San Jose, CA, USA

Language: English

Subfile: C

Copyright 1997, IEE

Title: Context-sensitive interprocedural analysis in the presence of dynamic aliasing

...Abstract: from symbols to values from an abstract domain, requires solutions to be computed for differing aliasing conditions existing at distinct calling contexts. This paper presents an approach for computing context-sensitive solutions to forward, monotone data-flow problems for statically allocated scalar variables that does not require reanalysis of procedures. The algorithm handles dynamic aliasing, due to non-recursive pointer types, and recursion. This paper applies the technique to constant propagation for statically allocated scalars. We propose an elimination-style approach that computes a single canonical transfer function for a procedure, under the assumption that no aliases hold between its arguments (including both explicitly and implicitly passed globals) on entry. The canonical...

... are expressed as a set of parameterised data flow mappings, augmented with sequence tokens and alias assertions. The sequence tokens and alias assertions succinctly capture sufficient control-flow and alias conditions, respectively, so that accurate solutions in the presence of aliasing can be computed from the canonical one. The information represented by the sequence tokens allows...

...Identifiers: dynamic aliasing ; ...

... alias assertions

28/3,K/26 (Item 26 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

06513160 INSPEC Abstract Number: C9704-4210L-020

Title: Semantic models and abstract interpretation techniques for inductive data structures and pointers

Author(s): Deutsch, A.

Author Affiliation: Inst. Nat. de Recherche en Inf. et Autom., Le Chesnay, France

Conference Title: Proceedings of the ACM SIGPLAN Symposium on Partial Evaluation and Semantics- Based Program Manipulation. PEPM'95 p.226-9

Publisher: ACM, New York, NY, USA

Publication Date: 1995 Country of Publication: USA vi+263 pp.

ISBN: 0 89791 720 0 Material Identity Number: XX95-01352

U.S. Copyright Clearance Center Code: 0 89791 720 0/95/0006.\$3.50
Conference Title: Proceedings of ACM SIGPLAN Symposium on Partial
Evaluation and Semantics-Based Program Manipulation (PEPM'95)
Conference Sponsor: ACM
Conference Date: 21-23 June 1995 Conference Location: La Jolla, CA,
USA

Language: English

Subfile: C

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Abstract: Alias analysis in the presence of dynamically allocated
data structures and pointers is a difficult problem whose practical
relevance stems from the fact that most program properties are alias
-sensitive. The paper examines existing mathematical models and static
analysis algorithms as well as their relations.

Identifiers: dynamically allocated data structures...

... dynamically allocated pointers...

... alias analysis...

... alias -sensitive program properties...

... static analysis algorithms

28/3,K/27 (Item 27 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv..

06347369 INSPEC Abstract Number: C9609-6150G-037

Title: Static detection of pointer errors: an axiomatisation and a
checking algorithm

Author(s): Fradet, P.; Gagne, R.; Le Metayer, D.

Author Affiliation: IRISA, Rennes, France

Conference Title: Programming Languages and Systems - ESOP '96. 6th
European Symposium on Programming. Proceedings p.125-40

Editor(s): Riis Nielson, H.

Publisher: Springer-Verlag, Berlin, Germany

Publication Date: 1996 Country of Publication: West Germany x+403 pp.

ISBN: 3 540 61055 3 Material Identity Number: XX96-01149

Conference Title: Programming Languages and Systems - ESOP '96. 6th
European Symposium on Programming

Conference Date: 22-24 April 1996 Conference Location: Linkoping,
Sweden

Language: English

Subfile: C

Copyright 1996, IEE

Title: Static detection of pointer errors: an axiomatisation and a
checking algorithm

...Abstract: is one of the most common sources of bugs. As a consequence,
any kind of static code checking that is capable of detecting potential
bugs at compile time is welcome. This paper presents a static analysis
for the detection of incorrect accesses to memory (dereferences of invalid
pointers). A pointer...

... a memory location which has been deallocated. The analyser is derived
from an axiomatisation of alias and connectivity properties which is
shown to be sound with respect to the natural semantics of the language. It
deals with dynamically allocated data structures and it is accurate
enough to handle circular structures.

Identifiers: static code checking algorithm...

... static analysis...

... alias properties...

... dynamically allocated data structures

28/3,K/28 (Item 28 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

06328627 INSPEC Abstract Number: C9609-6150G-010

Title: Static detection of dynamic memory errors

Author(s): Evans, D.

Author Affiliation: Lab. for Comput. Sci., MIT, Cambridge, MA, USA

Journal: SIGPLAN Notices Conference Title: SIGPLAN Not. (USA) vol.31,
no.5 p.44-53

Publisher: ACM,

Publication Date: May 1996 Country of Publication: USA

CODEN: SINODQ ISSN: 0362-1340

SICI: 0362-1340(199605)31:5L:44:SDDM;1-A

Material Identity Number: S202-96005

Conference Title: ACM SIGPLAN '96: Programming Language Design and
Implementation

Conference Sponsor: ACM

Conference Date: 21-24 May 1996 Conference Location: Philadelphia, PA,
USA

Language: English

Subfile: C

Copyright 1996, IEE

Title: Static detection of dynamic memory errors

...Abstract: relevant assumptions. We introduce annotations to make
certain assumptions explicit at interface points. An efficient static
checking tool that exploits these annotations can detect a broad class of
errors including misuses of null pointers, uses of dead storage, memory
leaks, and dangerous aliasing. This technique has been used successfully
to fix memory management problems in a large program.

Identifiers: static dynamic memory error detection...

...efficient static checking tool...

...dangerous aliasing ;

28/3,K/29 (Item 29 from file: 2)

DIALOG(R)File 2:INSPEC

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06297830 INSPEC Abstract Number: C9607-6160S-067

Title: User interfaces for content-based image retrieval

Author(s): Bird, C.L.; Elliott, P.J.; Griffiths, E.

Author Affiliation: Appl. Sci. & Technol. Group, IBM UK Labs. Ltd.,
Winchester, UK

Conference Title: IEE Colloquium on Intelligent Image Databases (Ref.
No.1996/119) p.8/1-4

Publisher: IEE, London, UK

Publication Date: 1996 Country of Publication: UK 86 pp.

Material Identity Number: XX96-01660

Conference Title: IEE Colloquium on Intelligent Image Databases (Ref.
No.1996/119)

Conference Sponsor: IEE

Conference Date: 22 May 1996 Conference Location: London, UK

Language: English

Subfile: C

Copyright 1996, IEE

Abstract: This paper demonstrates a prototype application of
content-based database searching, specifically customised for designers
in the textile industry. It takes account of their particular needs,
enabling them to operate in a visually stimulating manner that does...

28/3,K/30 (Item 30 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

06283917 INSPEC Abstract Number: A9613-8760I-042

Title: Temporal resolution improvement in dynamic imaging

Author(s): Fredrickson, J.O.; Pelc, N.J.

Author Affiliation: Richard M. Lucas Center for Magnetic Resonance,

Stanford Univ., CA, USA
Journal: Magnetic Resonance in Medicine vol.35, no.4 p.621-5
Publisher: Williams & Wilkins,
Publication Date: April 1996 Country of Publication: USA
CODEN: MRMEEN ISSN: 0740-3194
SICI: 0740-3194(199604)35:4L:621:TRID;1-4
Material Identity Number: K620-96005
U.S. Copyright Clearance Center Code: 0740-3194/96/\$3.00
Language: English
Subfile: A
Copyright 1996, IEE

Title: Temporal resolution improvement in dynamic imaging

Abstract: In some dynamic imaging applications, only a fraction, $1/n$, of the field of view (FOV) may show...

... during the motion cycle. A method is presented that improves the temporal resolution for a dynamic region by a factor, n , while maintaining spatial resolution at a cost of square root...

... the number of phase encodes acquired for each temporal frame by $1/n$. To eliminate aliasing, a representation of the signal from the static outer portion of the FOV is constructed using all the raw data. The k-space ...

... this representation is subtracted from the original data sets, and the differences correspond to the dynamic portion of the FOV. Improved resolution results are presented in phantom studies, and in vivo...

...Identifiers: dynamic imaging...

... static outer portion...

... aliasing elimination

28/3,K/31 (Item 31 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2006 Institution of Electrical Engineers. All rts. reserv.

06234905 INSPEC Abstract Number: C9605-7250L-007
Title: On the creation of hypertext links in full-text documents: measurement of retrieval effectiveness
Author(s): Ellis, D.; Furner, J.; Willett, P.
Author Affiliation: Dept. of Inf. Studies, Sheffield Univ., UK
Journal: Journal of the American Society for Information Science
vol.47, no.4 p.287-300
Publisher: Wiley for ASIS,
Publication Date: April 1996 Country of Publication: USA
CODEN: AISJB6 ISSN: 0002-8231
SICI: 0002-8231(199604)47:4L:287:CHLF;1-0
Material Identity Number: J141-96004
U.S. Copyright Clearance Center Code: 0002-8231/96/040287-14
Language: English
Subfile: C
Copyright 1996, IEE

...Abstract: relationship existing between: the levels of inter-linker consistency obtaining among the group of hypertext databases used in earlier experiments; and the levels of effectiveness of a number of searches carried out in those databases. An account is given of the implementation of the searches and of the methods used in the calculation of numerical values expressing their effectiveness.

28/3,K/32 (Item 32 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2006 Institution of Electrical Engineers. All rts. reserv.

06067272 INSPEC Abstract Number: A9521-4281P-022, B9511-7230E-031
Title: Optimal sensor layout for shape estimation from strain sensors
Author(s): Kirby, G.C.; Lindner, D.K.; Davis, M.A.; Kersey, A.D.
Author Affiliation: Naval Res. Lab., Washington, DC, USA

Journal: Proceedings of the SPIE - The International Society for Optical Engineering
Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA)
vol.2444 p.367-76

Publication Date: 1995 Country of Publication: USA
CODEN: PSISDG ISSN: 0277-786X
U.S. Copyright Clearance Center Code: 0 8194 1793 9/95/\$6.00
Conference Title: Smart Structures and Materials 1995. Smart Sensing, Processing, and Instrumentation
Conference Sponsor: SPIE
Conference Date: 27 Feb.-1 March 1995 Conference Location: San Diego, CA, USA
Language: English
Subfile: A B
Copyright 1995, IEE

...Abstract: values of the transformation matrix bound the error in the inferred displacements. Issues of spatial aliasing as well as sensor spacing are also addressed. The methodology was validated by comparing both static and dynamic shape estimations with experiments.

...Identifiers: static shape estimation...

...spatial aliasing ; ...

... dynamic shape estimations

28/3,K/33 (Item 33 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2006 Institution of Electrical Engineers. All rts. reserv.

05918661 INSPEC Abstract Number: C9505-6150C-031
Title: PORT: a set of parallelizing optimizing restructuring tools
Author(s): Zhang Zhaoqing; Qiao Ruliang
Author Affiliation: Nat. Res. Centre for Intelligent Comput. Syst., Beijing, China
Journal: Chinese Journal of Computers vol.17, no.12 p.908-21
Publication Date: Dec. 1994 Country of Publication: China
CODEN: JIXUDT ISSN: 0254-4164
Language: Chinese
Subfile: C
Copyright 1995, IEE

...Abstract: and assertions. PORT system also provides a collection of efficient and powerful graphical tools for static analysis, dynamic analysis, program debugging and computing process visualization by a friendly graphical user interface. They are...

...PORT, solve call relationship, interprocedural analysis, global constant propagation, induction variable substitution, data dependence analysis, alias processing, Do loop translations and parallel code generation.

...Identifiers: static analysis...

... dynamic analysis...

... alias processing

28/3,K/34 (Item 34 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2006 Institution of Electrical Engineers. All rts. reserv.

05910916 INSPEC Abstract Number: C9505-6160Z-001
Title: On the measurement of inter-linker consistency and retrieval effectiveness in hypertext databases

Author(s): Ellis, D.; Furner-Hines, J.; Willett, P.
Author Affiliation: Dept. of Inf. Studies, Sheffield Univ., UK
p.51-60
Editor(s): Croft, W.B.; van Rijsbergen, C.J.
Publisher: Springer-Verlag, Berlin, Germany
Publication Date: 1994 Country of Publication: west Germany 358 pp.
ISBN: 3 540 19889 X
Conference Title: Proceedings of 17th International Conference on Research and Development in Information Retrieval. SIGIR 94

Ginger R. DeMille

Conference Sponsor: Dublin City Univ.; Aer Lingus; Bord Failte; Comm.
Eur. Communities; et al
Conference Date: 3-6 July 1994 Conference Location: Dublin, Ireland
Language: English
Subfile: C
Copyright 1995, IEE

...Abstract: databases used in our earlier experiments and the levels of effectiveness of a number of searches carried out in those databases. An account is given of the implementation of the searches and of the methods used in the calculation of numerical values expressing their effectiveness, and...

28/3,K/35 (Item 35 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2006 Institution of Electrical Engineers. All rts. reserv.

05875792 INSPEC Abstract Number: C9503-6150G-029
Title: The undecidability of aliasing
Author(s): Ramalingham, G.
Author Affiliation: IBM Thomas J. Watson Res. Center, Yorktown Heights, NY, USA
Journal: ACM Transactions on Programming Languages and Systems vol.16, no.5 p.1467-71
Publication Date: Sept. 1994 Country of Publication: USA
CODEN: ATPSDT ISSN: 0164-0925
U.S. Copyright Clearance Center Code: 0164-0925/94/0900-1467\$03.50
Language: English
Subfile: C
Copyright 1995, IEE

Title: The undecidability of aliasing
Abstract: Alias analysis is a prerequisite for performing most of the common program analyses such as reaching...

...or live-variables analysis. W. Landi (1992) recently established that it is impossible to compute statically precise alias information-either may-alias or must-alias-in languages with if statements, loops, dynamic storage, and recursive data structures: more precisely, he showed that the may-alias relation is not recursive, while the must-alias relation is not even recursively enumerable. This article presents simpler proofs of the same results.

...Identifiers: aliasing ; ...

... alias analysis...

... statically precise alias information...

... dynamic storage...

...may-alias relation...

...must-alias relation

28/3,K/36 (Item 36 from file: 2)
DIALOG(R)File 2:INSPEC
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05867174 INSPEC Abstract Number: A9504-9385-068, B9503-7710D-036
Title: Preliminary assessment of the accuracy and precision of TOPEX/POSEIDON altimeter data with respect to the large-scale ocean circulation
Author(s): Stammer, D.; Wunsch, C.
Author Affiliation: Dept. of Earth Atmos. & Planetary Sci., MIT, Cambridge, MA, USA
Journal: Journal of Geophysical Research vol.99, no.C12 p.24584-604
Publication Date: 15 Dec. 1994 Country of Publication: USA
CODEN: JGREA2 ISSN: 0148-0227
U.S. Copyright Clearance Center Code: 0148-0227/94/94JC-00919\$05.00
Language: English

Subfile: A B
Copyright 1995, IEE

...Abstract: accepted but are tested as part of the overall results. The ocean was treated as static over each 10-day repeat cycle and maps constructed of the absolute sea surface topography...

... $1/\sup m/(\theta, \lambda)$ with an amplitude near 10 cm, close to the simplest alias of the $M/2$ tide. This spectral peak and others visible in the periodograms...

Identifiers: ocean dynamics global circulation...

28/3,K/37 (Item 37 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

05710565 INSPEC Abstract Number: C9408-6110P-031

Title: Dynamic program parallelization

Author(s): Huelsbergen, L.; Larus, J.R.

Author Affiliation: Dept. of Comput. Sci., Wisconsin Univ., Madison, WI, USA

p.311-23

Publisher: ACM, New York, NY, USA

Publication Date: 1992 Country of Publication: USA viii+357 pp.

ISBN: 0 89791 483 X

U.S. Copyright Clearance Center Code: 0 89791 483 X/92/0006/0311\$1.50

Conference Title: Proceedings of SIGPLAN Conference on Lisp and Functional Programming

Conference Sponsor: ACM

Conference Date: 22-24 June 1992 Conference Location: San Francisco, CA, USA

Language: English

Subfile: C

Title: Dynamic program parallelization

Abstract: Static program analysis limits the performance improvements possible from compile-time parallelization. Dynamic program parallelization shifts a portion of the analysis from compile-time to run-time, thereby enabling optimizations whose static detection is overly expensive or impossible. Lambda tagging and heap resolution are two new techniques...

... to identify computations that may safely execute in parallel. Heap resolution uses reference counts to dynamically detect potential heap aliases and to coordinate parallel access to shared structures. An implementation of lambda tagging and heap...

... computer demonstrates that the overhead incurred by these run-time methods is easily offset by dynamically-exposed parallelism and that non-trivial procedures can be automatically parallelized with these techniques.

Identifiers: dynamic program parallelization...

... static detection...

...potential heap aliases ; ...

... dynamically -exposed parallelism

28/3,K/38 (Item 38 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

05703802 INSPEC Abstract Number: C9408-4240-054

Title: The type and effect discipline

Author(s): Talpin, J.P.; Jouvelot, P.

Author Affiliation: Centre de Recherche en Inf., Ecole des Mines de Paris, Fontainebleau, France

Journal: Information and Computation vol.111, no.2 p.245-96

Publication Date: June 1994 Country of Publication: USA

CODEN: INFCEC ISSN: 0890-5401
U.S. Copyright Clearance Center Code: 0890-5401/94/\$6.00
Language: English
Subfile: C

...Abstract: collections of concrete values, effects denote imperative operations on regions. Regions abstract sets of possibly aliased memory locations. Effects are used to control type generalization in the presence of imperative constructs...

...or in the observable effect. Introducing the type and effect discipline, we define both a dynamic and a static semantics for an ML-like language and prove that they are consistently related. We present...
... and the minimal observable effect of expressions. We prove its correctness with respect to the static semantics.

...Identifiers: static semantics

28/3,K/39 (Item 39 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2006 Institution of Electrical Engineers. All rts. reserv.

05680130 INSPEC Abstract Number: A9413-0710-001
Title: Practical aspects of dynamic verification of extensometers: Part I-The concepts
Author(s): Albright, F.J.; Annala, J.
Author Affiliation: MTS Syst. Corp., Eden Prairie, MN, USA
Journal: Journal of Testing and Evaluation vol.22, no.1 p.53-6
Publication Date: Jan. 1994 Country of Publication: USA
CODEN: JTEVAB ISSN: 0090-3973
U.S. Copyright Clearance Center Code: 0090-3973/94/\$2.50+.50
Language: English
Subfile: A

Title: Practical aspects of dynamic verification of extensometers: Part I-The concepts

...Abstract: measurement of load and strain. Accurate measurement of both parameters is essential. Methods for accurate static calibration and verification of load transducers and extensometers are well established. More recently, standard practices have been developed for the dynamic calibration of load transducers. Still in its infancy is a standard method for dynamic verification of extensometers. Dynamic verification introduces a wide range of new issues. These encompass not only the transducer but also the conditioning electronics and actual test machine. Static calibration permits the "elimination" of nearly all dynamics, whereas dynamic verification must be done in the presence of these dynamic effects. This paper outlines the various concepts that need to be understood when performing the dynamic verification of an extensometer. Problems related to computer aided verification are emphasized, issues of aliasing and resolution in particular.

Identifiers: dynamic verification...

... static calibration...

... dynamic calibration

28/3,K/40 (Item 40 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2006 Institution of Electrical Engineers. All rts. reserv.

05642386 INSPEC Abstract Number: C9405-5220P-043
Title: An analysis of dynamic scheduling techniques for symbolic applications
Author(s): Costa, A.; De Gloria, A.; Faraboschi, P.; Olivieri, M.
Author Affiliation: DIBE, Genoa Univ., Italy
p.185-91
Publisher: IEEE Comput. Soc. Press, Los Alamitos, CA, USA
Publication Date: 1993 Country of Publication: USA xii+269 pp.
ISBN: 0 8186 5280 2
U.S. Copyright Clearance Center Code: 1072-4451/93/\$3.00
Conference Title: Proceedings of 26th Annual International Symposium on

Microarchitecture (Cat. No.93TH0602-3)

Conference Sponsor: IEEE; ACM

Conference Date: 1-3 Dec. 1993

Conference Location: Austin, TX, USA

Language: English

Subfile: C

Title: An analysis of dynamic scheduling techniques for symbolic applications

...Abstract: logic programming. In particular, the authors analyze the effects on performance of speculative execution, memory alias disambiguation, renaming and flow prediction. The obtained results indicate that one can reach a sustained...

... comparable with imperative languages), with the proper optimizations. The authors also show a comparison between static and dynamic scheduled approaches, outlining the conditions under which a dynamic solution can reach substantial improvements over a static one. In this way, they point out some important optimizations and parameters of a dynamic scheduling approach, indicating a guideline for future architectural implementations.

Identifiers: dynamic scheduling...

...memory alias disambiguation...

28/3,K/41 (Item 41 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

05629607 INSPEC Abstract Number: C9405-4240-008

Title: Undecidability of static analysis

Author(s): Landi, W.

Author Affiliation: Siemens Corp. Res. Inc., Princeton, NJ, USA

Journal: ACM Letters on Programming Languages and Systems vol.1, no.4

p.323-37

Publication Date: Dec. 1992 Country of Publication: USA

CODEN: ALPSE8 ISSN: 1057-4514

Material Identity Number: P814-94001

U.S. Copyright Clearance Center Code: 1057-4514/92/1200-0303\$1.50

Language: English

Subfile: C

Title: Undecidability of static analysis

Abstract: Static analysis of programs is indispensable to any software tool, environment, or system that requires compile...

... information about the semantics of programs. With the emergence of languages like C and LISP, static analysis of programs with dynamic storage and recursive data structures has become a field of active research. Such analysis is difficult, and the static-analysis community has recognized the need for simplifying assumptions and approximate solutions. However, even under the common simplifying assumptions, such analyses are harder than previously recognized. Two fundamental static-analysis problems are may alias and must alias. The former is not recursive (is undecidable), and the latter is not recursively enumerable (is...

... all paths are executable in the program being analyzed for languages with if statements, loops, dynamic storage, and recursive data structures.

Identifiers: static analysis...

... dynamic storage...

... static-analysis problems...

...may alias ; ...

...must alias ;

28/3,K/42 (Item 42 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

05346207 INSPEC Abstract Number: C9303-6110-026

Title: **Polymorphic type, region and effect inference**

Author(s): Talpin, J.-P.; Jouvelot, P.

Author Affiliation: CRI, Ecole Nat. Supérieure des Mines de Paris, France

Journal: Journal of Functional Programming vol.2, pt.3 p.245-71

Publication Date: July 1992 Country of Publication: UK

CODEN: JFPRES ISSN: 0956-7968

Language: English

Subfile: C

Abstract: A **static** system is presented which reconstructs the types, regions and effects of expressions in an implicitly...

... values. Just as types structurally abstract collections of concrete values, regions represent sets of possibly **aliased** reference values and effects represent approximations of the imperative behaviour on regions. The authors introduce a **static** semantics for inferring types, regions and effects, and prove that it is consistent with respect to the **dynamic** semantics of the language. They present a reconstruction algorithm that computes the types and effects...

... to reference values. They prove the correctness of the reconstruction algorithm with respect to the **static** semantics. Finally, they discuss potential applications of the system to automatic stack allocation and parallel...

...Identifiers: **static** system...

...possibly **aliased** reference values...

... **static** semantics...

... **dynamic** semantics

28/3,K/43 (Item 43 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

05328518 INSPEC Abstract Number: B9303-6140C-023, C9303-1250-020

Title: **Exact image subband decomposition/reconstruction by DCT**

Author(s): Diab, C.; Prost, R.; Goutte, R.

Author Affiliation: Inst. Nat. des Sci. Appliquées de Lyon, Lab. de Traitement du Signal et Ultrasons, Villeurbanne, France

Journal: Signal Processing: Image Communication vol.4, no.6 p. 489-96

Publication Date: Nov. 1992 Country of Publication: Netherlands

CODEN: SPICEF ISSN: 0923-5965

U.S. Copyright Clearance Center Code: 0923-5965/92/\$05.00

Language: English

Subfile: B C

...Abstract: no.1, p.53-68, 1990) an image decomposition/reconstruction subband coding scheme free of **aliasing** and boundary errors has been proposed. Ideal filters have been used and implemented with DFT...

... a similar filtering process avoids the use of this additional data. Practically, the computation load **does not change**.

28/3,K/44 (Item 44 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

05324676 INSPEC Abstract Number: C9302-6110L-034

Title: **Abstract interpretation of logic programs**

Author(s): Cousot, P.M.

Author Affiliation: Ecole Polytech., Palaiseau, France

Conference Title: Logic Programming. Proceedings of the Eighth International Conference p.940

Editor(s): Furukawa, K.

Publisher: MIT Press, Cambridge, MA, USA

Publication Date: 1991 Country of Publication: USA xxii+952 pp.
ISBN: 0 262 56058 5
Conference Sponsor: INRIA; Assoc. Logic Programming
Conference Date: 24-28 June 1991 Conference Location: Paris, France
Language: English
Subfile: C

Abstract: Summary form only given. Abstract interpretation is an automatic analysis method for determining statically conservative approximations of dynamic properties of programs. Such properties of the runtime behavior of programs are useful for debugging...

... optimization (e.g. mode and data dependencies analysis, determinacy/functionality detection, useless occur-checks determination, aliasing /sharing information inference), comparison of formal semantics (e.g. construction of denotational semantics from operational...

...Identifiers: statically conservative approximations...

... dynamic properties

28/3,K/45 (Item 45 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2006 Institution of Electrical Engineers. All rts. reserv.

05307870 INSPEC Abstract Number: B9302-6430C-001
Title: Degradation caused by motion detection mismatching on MUSE decoder
Author(s): Gohshi, S.; Izumi, Y.; Ninomiya, Y.
Author Affiliation: NHK Sci. & Tech. Res. Labs., Tokyo, Japan
Journal: Transactions of the Institute of Electronics, Information and Communication Engineers B-I vol.J75B-I, no.9 p.587-95
Publication Date: Sept. 1992 Country of Publication: Japan
CODEN: DJBTES
Language: Japanese
Subfile: B

...Abstract: shows that image quality degradation involving flickers will occur if an image encoded as a static image is decoded as a dynamic image. However, no image degradation due to aliasing will occur even if the image encoded as a motion image is decoded as a static image, though only resolution degradation is involved in static area of the decoded image. The results of this analysis are in accordance with the...

... MUSE decoder, an excellent image was obtained. The simplified encoder exhibits slight resolution degradation in static image domain when compared with a conventional encoder. It, however, offers less than one third...

...Identifiers: static image...

... dynamic image

28/3,K/46 (Item 46 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2006 Institution of Electrical Engineers. All rts. reserv.

05297255 INSPEC Abstract Number: C9301-6140-001
Title: A storeless model of aliasing and its abstractions using finite representations of right-regular equivalence relations
Author(s): Deutsch, A.
Author Affiliation: LIX, Ecole Polytech., Palaiseau, France
Conference Title: Proceedings of the 1992 International Conference on Computer Languages (Cat. No.92CH3082-5) p.2-13
Publisher: IEEE Comput. Soc. Press, Los Alamitos, CA, USA
Publication Date: 1992 Country of Publication: USA x+341 pp.
ISBN: 0 8186 2585 6
U.S. Copyright Clearance Center Code: 0 8186 2585 6/92\$03.00
Conference Sponsor: IEEE
Conference Date: 20-23 April 1992 Conference Location: Oakland, CA, USA
Language: English
Subfile: C

Title: A storeless model of aliasing and its abstractions using finite representations of right-regular equivalence relations

Abstract: The problem of interference and aliasing in programming languages with structured, dynamically allocated data is studied. The author starts from a novel semantic model of data aliasing, then elaborates new results in formal language theory in order to represent its invariants, and finally uses these results to derive an efficient and online algorithm for statically determining dynamic aliasing properties of structured data.

...Identifiers: dynamically allocated data...

...data aliasing ; ...

... dynamic aliasing properties

28/3,K/47 (Item 47 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

05217697 INSPEC Abstract Number: C9209-6140D-046

Title: ACM SIGPLAN '92 Conference on Programming Language Design and Implementation

Journal: SIGPLAN Notices vol.27, no.7

Publication Date: July 1992 Country of Publication: USA

CODEN: SINODQ ISSN: 0362-1340

U.S. Copyright Clearance Center Code: 92/0006/0001. . . \$1.50

Conference Title: ACM SIGPLAN '92 Conference on Programming Language Design and Implementation

Conference Sponsor: ACM

Conference Date: 17-19 June 1992 Conference Location: San Francisco, CA, USA

Language: English

Subfile: C

...Abstract: were dealt with: program debugging; concurrent languages; concurrent compilers; escape analysis on lists; induction variables; dynamic scheduling for irregular parallel programs; interprocedural pointer aliasing ; compiler support for garbage collection in statically typed language; probabilistic register allocation; BURS table generation; dependence analysis and reordering transformations; and compiler...

...Identifiers: dynamic scheduling...

...interprocedural pointer aliasing ; ...

... statically typed language

28/3,K/48 (Item 48 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

05064423 INSPEC Abstract Number: C9202-6150N-066

Title: Experiences with a parallel algorithm for data flow analysis

Author(s): Yong-Fong Lee; Ryder, B.G.; Marlowe, T.J.

Author Affiliation: Dept. of Comput. Sci., Rutgers Univ., New Brunswick, NJ, USA

Journal: Journal of Supercomputing vol.5, no.2-3 p.163-88

Publication Date: Oct. 1991 Country of Publication: Netherlands

CODEN: JOSUED ISSN: 0920-8542

Language: English

Subfile: C

...Abstract: and Ryder, 1990). They exploit a natural partitioning of the hybrid algorithms and explore a static mapping, dynamic scheduling strategy. Alternative mapping-scheduling choices and refinements of the flow graph condensation used are...

... is illustrated on reaching definitions, although parallel algorithms also exist for many interprocedural (e.g. aliasing) and intraprocedural (e.g. available expressions) problems. The authors have implemented the

parallel hybrid algorithm...
...Identifiers: static mapping...
... dynamic scheduling strategy...
... aliasing ;

28/3,K/49 (Item 49 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2006 Institution of Electrical Engineers. All rts. reserv.

05012114 INSPEC Abstract Number: C91071818
Title: Performing data flow analysis in parallel
Author(s): Lee, Y.-F.; Marlowe, T.J.; Ryder, B.G.
Author Affiliation: Dept. of Comput. Sci., Rutgers Univ., New Brunswick,
NJ, USA
Conference Title: Proceedings of Supercomputing '90 (Cat. No.90CH2916-5)
p.942-51
Publisher: IEEE Comput. Soc. Press, Los Alamitos, CA, USA
Publication Date: 1990 Country of Publication: USA xxv+982 pp.
ISBN: 0 8186 2056 0
U.S. Copyright Clearance Center Code: CH2916-5/90/0000-0942\$01.00
Conference Sponsor: IEEE; ACM; Lawrence Livermore Nat. Lab.; Los Alamos
Nat. Lab.; NASA Ames Res. Center; Nat. Center Atmos. Res.; NSF; SIAM;
Supercomput. Res. Center
Conference Date: 12-16 Nov. 1990 Conference Location: New York, NY,
USA
Language: English
Subfile: C

...Abstract: They have exploited the natural task partitioning of the
hybrid algorithms and have explored a static mapping- dynamic scheduling
strategy. Alternative mapping-scheduling choices and refinements of the
flow graph condensation utilized are...

... on the reaching definitions problem, although parallel algorithms also
exist for many interprocedural (e.g., aliasing) and intraprocedural
(e.g., available expressions) problems.
...Identifiers: static mapping- dynamic scheduling strategy

28/3,K/50 (Item 50 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2006 Institution of Electrical Engineers. All rts. reserv.

04857627 INSPEC Abstract Number: C91030867
Title: Construction of in-house database and vocabulary control
Author(s): Okano, H.
Author Affiliation: JICST, Tech. Coordination & Dev. Office, Chiyoda,
Japan
Journal: Joho Kanri vol.33, no.8 p.715-33
Publication Date: Nov. 1990 Country of Publication: Japan
CODEN: JOKAAB ISSN: 0021-7298
Language: Japanese
Subfile: C

...Abstract: inherent in present information systems using either
'free-terms' or 'controlled-terms' as tools for search to introduce
vocabulary control in the construction of in-house databases . A short
account of related problems to be solved, some techniques and typical
examples is also given. Attention...

28/3,K/51 (Item 51 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2006 Institution of Electrical Engineers. All rts. reserv.

04776404 INSPEC Abstract Number: C91004026
Title: On determining lifetime and aliasing of dynamically allocated
data in higher-order functional specifications
Author(s): Deutsch, A.

Ginger R. DeMille

Author Affiliation: Lab. d'Inf., Ecole Polytech., Palaiseau, France
Conference Title: Conference Record of the Seventeenth Annual ACM
Symposium on Principles of Programming Languages p.157-68
Publisher: ACM, New York, NY, USA
Publication Date: 1990 Country of Publication: USA vi+401 pp.
ISBN: 0 89791 343 4
U.S. Copyright Clearance Center Code: 0 89791 343 4/90/0001/0157\$1.50
Conference Sponsor: ACM
Conference Date: 17-19 Jan. 1990 Conference Location: San Francisco,
CA, USA
Language: English
Subfile: C

Title: On determining lifetime and aliasing of dynamically allocated data in higher-order functional specifications

Abstract: A static analysis method for determining aliasing and lifetime of dynamically allocated data in lexically scoped, higher-order, strict and polymorphic languages with first class continuations...

... is based on an operational model of higher order functional programs from which one constructs statically computable abstractions using the abstract interpretation framework. The method provides a solution to a problem...

Identifiers: dynamically allocated data...

... static analysis method...

... aliasing ; ...

... statically computable abstractions

28/3,K/52 (Item 52 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2006 Institution of Electrical Engineers. All rts. reserv.

04680889 INSPEC Abstract Number: C90049459
Title: QSVD approach to on- and off-line state-space identification
Author(s): Moonen, M.; Vandewalle, J.
Author Affiliation: ESAT Katholieke Univ. Leuven, Heverlee, Belgium
Journal: International Journal of Control vol.51, no.5 p.1133-46
Publication Date: May 1990 Country of Publication: UK
CODEN: IJCOAZ ISSN: 0020-7179
U.S. Copyright Clearance Center Code: 0020-7179/90/\$3.00
Language: English
Subfile: C

...Abstract: turns out that in practice, due to the use of various pre-filtering techniques (anti-aliasing, etc.), this latter case is the most often encountered. The extended identification scheme explicitly compensates...

... progress in total least-squares solution techniques. (S. Van Huffel 1989) for the identification of static linear relations. The present identification scheme can therefore be viewed as the analogous counterpart for identifying dynamic linear relations.

...Identifiers: anti-aliasing

28/3,K/53 (Item 53 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2006 Institution of Electrical Engineers. All rts. reserv.

04451562 INSPEC Abstract Number: C89054991
Title: Conference Record of the Sixteenth Annual ACM Symposium on Principles of Programming Languages
Publisher: ACM, New York, NY, USA
Publication Date: 1989 Country of Publication: USA vi+352 pp.
ISBN: 0 89791 294 2
Conference Sponsor: ACM
Conference Date: 11-13 Jan. 1989 Conference Location: Austin, TX, USA
Language: English

Subfile: C

Abstract: The following topics were dealt with: program dependence graphs; static single assignment form; attribute grammars; interprocedural alias analysis; polymorphism; ML; logic programming; CLP; high order communicating systems; dataflow networks; temporal reasoning; reactive module; concurrent systems; Modula-3; dynamic typing; conjunctive types; rewriting systems; partial order programming; temporal logic programming; program transformation; closure-passing...
...Identifiers: static single assignment form...

...interprocedural alias analysis...

... dynamic typing

28/3,K/54 (Item 54 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

04398851 INSPEC Abstract Number: B89044996

Title: Multidimensional digital signal processing for high definition television

Author(s): Prodan, R.S.

Author Affiliation: Philips Labs., North American Philips Corp., Briarcliff Manor, NY, USA

Conference Title: Third International Colloquium on Advanced Television Systems: HDTV '87. Colloquium Proceedings p.6/4/1-28

Publisher: CBC Eng, Montreal, Que., Canada

Publication Date: 1988 Country of Publication: Canada 2 vol.
(674+148) pp.
p.vol.1

Conference Sponsor: Canadian Broadcasting Corp.; Gov. Canada; et al

Conference Date: 4-8 Oct. 1987 Conference Location: Ottawa, Ont., Canada

Language: English

Subfile: B

...Abstract: algorithms are analyzed. Increased spatial resolution utilizing spatio-temporal sampling and reconstruction involves compromising either static or dynamic spatial resolution. Loss of sharpness and cross-dimensional aliasing can result, where spatial components give rise to temporal components and vice versa in the...

28/3,K/55 (Item 55 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

04247832 INSPEC Abstract Number: C88064053

Title: Experience with FORTRAN VERIFIER. A tool for documentation and error diagnosis of FORTRAN-77 programs

Author(s): Conradi, R.

Author Affiliation: Div. of Comput. Sci., Norwegian Inst. of Technol., Trondheim, Norway

Conference Title: ESEC '87: 1st European Software Engineering Conference. Proceedings p.263-75

Editor(s): Nichols, H.K.; Simpson, D.

Publisher: Springer-Verlag, Berlin, West Germany

Publication Date: 1987 Country of Publication: West Germany xii+404 pp.

ISBN: 3 540 18712 X

Conference Date: 9-11 Sept. 1987 Conference Location: Strasbourg, France

Language: English

Subfile: C

...Abstract: various documentation and cross-references. It computes inter-procedural, flow-insensitive side-effects with complete static and dynamic aliasing in order to diagnose unused, unevaluated, unassigned, or otherwise illegally used variables. An improvement of the Banning algorithm for REF-parameter aliases is also introduced.

...Identifiers: **static** ; ...
... **dynamic** **aliasing** ; ...
...REF-parameter **aliases**

28/3,K/56 (Item 56 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2006 Institution of Electrical Engineers. All rts. reserv.

03826275 INSPEC Abstract Number: C87017392
Title: Image rendering by adaptive refinement
Author(s): Bergman, L.; Fuchs, H.; Grant, E.; Spach, S.
Author Affiliation: North Carolina Univ., Chapel Hill, NC, USA
Journal: Computer Graphics vol.20, no.4 p.29-37
Publication Date: Aug. 1986 Country of Publication: USA
CODEN: CGRADI ISSN: 0097-8930
U.S. Copyright Clearance Center Code: 0 89791 196 2/86/008/0029\$00.75
Conference Title: SIGGRAPH '86 Conference Proceedings
Conference Sponsor: ACM
Conference Date: 18-22 Aug. 1986 Conference Location: Dallas, TX, USA
Language: English
Subfile: C

...Abstract: on personal workstations by using CPU cycles going idle while the user is examining a **static** image on the screen. The goal is to convey the most information to the user...

... crude image rapidly and then adaptively refining it where necessary as long as the user **does not change** viewing parameters. The renderer operates in a succession of phases, first displaying only vertices of...
... polygons, then shadowing polygons, then Gouraud shading polygons, then Phong shading polygons, and finally **anti-aliasing**. Performance is enhanced by each phase using results from previous phases and trimming the amount...

... may be Phong shaded while the rest may be Gouraud or flat shaded. Similarly **anti-aliasing** is performed only on pixels around which there is significant color change. The system features...
...Identifiers: **static** image...

...anti-aliasing ;

28/3,K/57 (Item 57 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2006 Institution of Electrical Engineers. All rts. reserv.

03616107 INSPEC Abstract Number: B86016270
Title: Subband coding of speech using backward adaptive prediction and bit allocation
Author(s): Soong, F.K.; Cox, R.V.; Jayant, N.S.
Author Affiliation: AT&T Bell Labs., Murray Hill, NJ, USA
Conference Title: ICASSP 85. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing (Cat. No. 85CH2118-8) p.1672-5 vol.4
Publisher: IEEE, New York, NY, USA
Publication Date: 1985 Country of Publication: USA 4 vol. 1861 pp.
U.S. Copyright Clearance Center Code: CH2118-8/85/0000-1672\$01.00
Conference Sponsor: IEEE
Conference Date: 26-29 March 1985 Conference Location: Tampa, FL, USA
Language: English
Subfile: B

...Abstract: predictors (both fixed and adaptive), subband quadrature mirror filter (QMF), and bit assignment strategy (both **static** and **dynamic**) are investigated in detail. It was found that the least squares (LS) adaptive lattice predictors...
...fixed predictor; more subbands can improve the coder performance; longer QMF can reduce the interband **aliasing** and improve the subjective performance of a subband coder; and an optimal **dynamic** bit allocation

scheme with an improvement of SNR as high as 5 dB is much...

... A 4-band hybrid subband coder with an LS adaptive lattice predictor and an optimal **dynamic** bit allocation strategy is proposed.

...Identifiers: **static** ; ...

... **dynamic** ; ...

...interband **aliasing** ;

28/3,K/58 (Item 58 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

03288117 INSPEC Abstract Number: C84035959

Title: **what online searchers should know about indexing and what indexers should know about online searching**

Author(s): Kesselman, M.; Perry, I.

Author Affiliation: New York Univ., New York, NY, USA

Conference Title: National Online Meeting Proceedings - 1984 p.141-8

Publisher: Learned Information, Medford, NJ, USA

Publication Date: 1984 Country of Publication: USA x+484 pp.

ISBN: 0 938734 07 5

Conference Sponsor: Online Rev

Conference Date: 10-12 April 1984 Conference Location: New York, NY, USA

Language: English

Subfile: C

Abstract: To prepare an effective **search** strategy, **searchers** need to take into **account** the way the **database** (s) to be **searched** are indexed. The more information a searcher has about the indexing policies of a given ...

28/3,K/59 (Item 59 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

02946603 INSPEC Abstract Number: A82112013

Title: **SASS wind ambiguity removal by direct minimization**

Author(s): Hoffman, R.N.

Author Affiliation: NASA/Goddard Space Flight Center, Greenbelt, MD, USA

Journal: Monthly Weather Review vol.110, no.5 p.434-45

Publication Date: May 1982 Country of Publication: USA

CODEN: MWREAB ISSN: 0027-0644

Language: English

Subfile: A

...Abstract: the forecast surface wind field. The ambiguity of the SASS winds is then removed by **choosing** the **alias** closest to the analyzed wind. Because minimizing the objective function is a problem of nonlinear ...

28/3,K/60 (Item 60 from file: 2)

DIALOG(R)File 2:INSPEC

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02520632 INSPEC Abstract Number: C80019149

Title: **The cost of literature search in 1985**

Author(s): Barwise, T.P.

Author Affiliation: London Business School, London, UK

Journal: Journal of Information Science, Principles & Practice vol.1, no.4 p.195-201

Publication Date: Oct. 1979 Country of Publication: Netherlands

CODEN: JISCDI ISSN: 0165-5515

Language: English

Subfile: C

Abstract: **Database** royalties now **account** for 20-40% of the direct

costs of online literature search . A recent study suggests that such royalties may roughly double in real terms by 1985...

28/3,K/61 (Item 61 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

02440427 INSPEC Abstract Number: B80002210, C80001963

Title: Digital image anomalies: static and dynamic

Author(s): Szabo, N.S.

Author Affiliation: Singer Aerospace & Marine Systems, Link Div., Sunnyvale, CA, USA

Conference Title: Proceedings of the Society of Photo-Optical Instrumentation Engineers, vol. 162. Visual Simulation & Image Realism p.11-15

Editor(s): Beiser, L.

Publisher: Soc. Photo-Optical Instrumentation Engrs, Bellingham, WA, USA

Publication Date: 1978 Country of Publication: USA vi+168 pp.

ISBN: 0 89252 189 9

Conference Sponsor: Soc. Photo-Optical Instrumentation Engrs

Conference Date: 30-31 Aug. 1978 Conference Location: San Diego, CA, USA

Language: English

Subfile: B C

Title: Digital image anomalies: static and dynamic

...Abstract: generated images have a number of anomalies which are frequently referred to as rastering or aliasing . These effects are due to sampling in both the spatial and time domains. The author examines how aliasing affects the observer of dynamic scenes. Present techniques for suppressing or eliminating these undesirable effects are described.

...Identifiers: aliasing ; ...

... dynamic scenes

28/3,K/62 (Item 62 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

02122441 INSPEC Abstract Number: A77084594, C77027462

Title: A new theoretical and practical approach to the multislice method

Author(s): Ishizuka, K.; Uyeda, N.

Author Affiliation: Inst. for Chem. Res., Kyoto Univ., Uji, Kyoto-Fu, Japan

Journal: Acta Crystallographica, Section A (Crystal Physics, Diffraction, Theoretical and General Crystallography) vol.A33, pt.5 p.740-9

Publication Date: 1 Sept. 1977 Country of Publication: Denmark

CODEN: ACACBN ISSN: 0567-7394

Language: English

Subfile: A C

...Abstract: the wavenumber of the incident electrons and d is the distance over which the potential does not change appreciably; (2) there must be a sufficient number of beams in the multislice iteration to prevent the aliasing effect of convolution.

28/3,K/63 (Item 63 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

01578031 INSPEC Abstract Number: A73077087

Title: Light variation of the delta Scuti variable HR 1287

Author(s): Desikachary, K.

Author Affiliation: Univ. Western Ontario, London, Ont., Canada

Journal: Astronomy and Astrophysics vol.27, no.3, pt.2 p.331-5

Publication Date: Sept. 1973 Country of Publication: West Germany

CODEN: AAEJAF ISSN: 0004-6361

Language: English

Subfile: A

...Abstract: data than the other set of frequencies, and the method of maxima and minima incorrectly picks up an alias of 6.899 c/d as the fundamental frequency. From the variation of nightly mean...

28/3,K/64 (Item 1 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online
(c) 2006 ProQuest Info&Learning. All rts. reserv.

01863132 ORDER NO: AADAA-I3035347
Program analysis alleviates Java synchronization
Author: Bogda, Jeffrey George
Degree: Ph.D.
Year: 2001
Corporate Source/Institution: University of California, Santa Barbara (0035)
Source: VOLUME 62/12-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 5800. 169 PAGES
ISBN: 0-493-48188-5

...We first develop an efficient, whole-program, flow-insensitive Thread-Escape Analysis—a combination alias, points-to, and escape analysis—that constructs a static picture of the heap and identifies objects local to a thread. An optimizer can remove...

...analysis, the Protective Analysis, adds flow sensitivity to identify these objects.

To accommodate Java's dynamic loading, we believe that these analyses must execute incrementally as part of the run-time...

28/3,K/65 (Item 2 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online
(c) 2006 ProQuest Info&Learning. All rts. reserv.

01619558 ORDER NO: AAD98-15025
A PROCESSOR ARCHITECTURE FOR DYNAMIC MEMORY DISAMBIGUATION (CREGS, ALIASING)
Author: ENGBRETSSEN, DAVID ROBERT
Degree: PH.D.
Year: 1997
Corporate Source/Institution: UNIVERSITY OF MINNESOTA (0130)
Source: VOLUME 58/11-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 6124. 94 PAGES

A PROCESSOR ARCHITECTURE FOR DYNAMIC MEMORY DISAMBIGUATION (CREGS, ALIASING)

Alias analysis has become an important part of current production compilers. If the compiler can statically determine that two objects definitely are or definitely are not aliased, more aggressive optimizations can be performed on the code. Unfortunately, even the best static analysis cannot always calculate whether some references are to the same object; these references are ambiguous. A processor that includes features for dynamic memory disambiguation allows a compiler to allocate ambiguously aliased objects to registers and perform more aggressive code scheduling around these objects. This research examines...

...adds an address tag to each register in the register file, enabling the hardware to dynamically maintain the consistency of aliased objects which have been allocated to registers. A compiler targeting a CRegs processor can use simpler alias analysis algorithms that require less compilation time while improving upon the performance benefits offered by ...

28/3,K/66 (Item 3 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online
(c) 2006 ProQuest Info&Learning. All rts. reserv.

01603649 ORDER NO: AAD98-04509

STATIC ANALYSIS FOR A SOFTWARE TRANSFORMATION TOOL (VIRTUAL CONTROL FLOW, SOFTWARE MAINTENANCE)

Author: MORGENTHALER, JOHN DAVID

Degree: PH.D.

Year: 1997

Corporate Source/Institution: UNIVERSITY OF CALIFORNIA, SAN DIEGO (0033)

Source: VOLUME 58/08-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 4316. 116 PAGES

STATIC ANALYSIS FOR A SOFTWARE TRANSFORMATION TOOL (VIRTUAL CONTROL FLOW, SOFTWARE MAINTENANCE)

...preserving transformations similar in spirit to compiler optimizations. Like optimizing compilers, these tools rely on static analysis to reason about the correctness of program changes. However, the cost (in both time and space) of static analysis serves as the limiting factor for transformation tools, resulting in slow, complex tool designs...

...the cost of determining semantic information. To conservatively estimate data flow relationships, the effects of aliasing between memory locations can be inexpensively approximated using flow-insensitive points-to analysis based on...

...to support a simple restructuring transformation for reordering program statements. To check that this transformation does not change the program's behavior requires syntax, control flow and data dependence analysis. Experimental results on...

28/3,K/67 (Item 4 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

(c) 2006 ProQuest Info&Learning. All rts. reserv.

01510880 ORDER NO: AAD96-33733

COMPILE TIME ANALYSIS OF C AND C++ SYSTEMS (DEBUGGING)

Author: PANDE, HEMANT DINKAR

Degree: PH.D.

Year: 1996

Corporate Source/Institution: RUTGERS THE STATE UNIVERSITY OF NEW JERSEY
- NEW BRUNSWICK (0190)

Source: VOLUME 57/06-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 3853. 181 PAGES

...type determination for C\$\sp{++}\$ as representative problems. A study of the close interaction of aliasing with these problems has led us to the development of a unified approach to solve them simultaneously with aliasing, as against a factored approach which may lead to significant loss of precision. These problems...

...time calculable data dependences, necessary for software engineering applications such as data flow testing coverage, static slicing techniques and integrating non-interfering versions of programs. Ours is the first interprocedural def...

...sp{++}\$, the type of object pointed to by the receiver at a virtual call site dynamically determines the function to be invoked. Type determination enables us to replace this late binding...

...improving the efficacy of subsequent analyses for C\$\sp{++}\$. We present a combined algorithm for aliasing and type determination for C\$\sp{++}\$: the first data flow technique for the problem for...

28/3,K/68 (Item 5 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

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01496396 ORDER NO: NOT AVAILABLE FROM UNIVERSITY MICROFILMS INT'L.

MACHINES PARALLELES ET SIMULATION DE LA PROPAGATION DES ONDES:

CARACTERISATION ET OPTIMISATION DE PERFORMANCES

Original Title: PARALLEL COMPUTERS AND WAVE-PROPAGATION SIMULATION:
PERFORMANCE CHARACTERIZATION AND OPTIMIZATION

Author: KLEIN, PHILIPPE EMMANUEL
Degree: PH.D.
Year: 1995
Corporate Source/Institution: UNIVERSITE DE PARIS VI (PIERRE ET MARIE CURIE) (FRANCE) (0788)
Source: VOLUME 57/03-C OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 981. 214 PAGES
Location of Reference Copy: INSTITUT FRANCAIS DU PETROLE, B.P. 311 -
F-92506 RUEIL MALMAISON CEDEX, FRANCE

...these machines are becoming production tools. Applications such as meteorological predictions, seismic modeling or fluid dynamics require huge computing resources that only parallel computers can satisfy. However, achieving high performance on...
...propagation simulation. We propose a parametric model of distributed memory message passing MIMD machines for static performance prediction. Execution time predictions are defined symbolically and numerically computed. Then it is possible...

...condition processing of finite difference codes on SIMD machines. This method is based upon array aliasing techniques. It is applied to the performance optimization of a 3D acoustic wave propagation code...

28/3,k/69 (Item 6 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online
(c) 2006 ProQuest Info&Learning. All rts. reserv.

01476756 ORDER NO: AADAA-IC484164
ON A PROCESS ALGEBRA APPROACH FOR THE CONSTRUCTION AND ANALYSIS OF M.E.R.O.DE.-BASED CONCEPTUAL MODELS (DEADLOCKS, SOFTWARE)
Author: SNOECK, MONIQUE
Degree: DR.
Year: 1995
Corporate Source/Institution: KATHOLIEKE UNIVERSITEIT LEUVEN (BELGIUM) (5605)
Source: VOLUME 57/02-C OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 638.
Publisher: K.U. LEUVEN, EXACTE WETENSCHAPPEN, CAMPUSBIBLIOTHEEKDIENST, CELESTIJNENLAAN 300 A, B-3001 LEUVEN (HEVERLEE), BELGIUM
Location of Reference Copy: FRANZ SCHOLLAERTSTRAAT 9, B-3010 KESSEL-LO, BELGIUM

...definitions of syntax and semantics, especially for behaviour specifications. As a result, consistency checking of static and dynamic schemas is poorly addressed, global behaviour of a system composed of more than one object can not be deduced from individual object type behaviour definitions and dynamic schemas cannot be checked for problematic behaviour such as deadlock. Current process algebras like CCS...
...generalization/specialization or the role concept and formalizes both concepts. The ninth chapter formalizes the aliasing event type, a concept that is needed to allow two occurrences of the same object...

28/3,k/70 (Item 7 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online
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01446964 ORDER NO: AADAA-I0576493
A THEORETICAL AND EXPERIMENTAL STUDY ON DYNAMIC CHARACTERISTICS OF JOURNAL BEARINGS (ROTORS)
Author: QIU, ZHI-LING
Degree: PH.D.
Year: 1995
Corporate Source/Institution: UNIVERSITY OF WOLLONGONG (AUSTRALIA) (0727)
Source: VOLUME 56/07-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 3985.

A THEORETICAL AND EXPERIMENTAL STUDY ON DYNAMIC CHARACTERISTICS OF JOURNAL BEARINGS (ROTORS)

Three different numerical methods are developed to calculate the static and dynamic characteristics of circular journal bearings with different slenderness ratios and different geometries. The Reynolds equation...

...method and the infinitesimal perturbation. The calculated results agree well with data from available literature. Static and dynamic characteristics of grooved and ungrooved bearings with 5 different slenderness ratios are presented. The relation...

...presented.

The oil whirl property and stability of the rotor-bearing system is studied. The dynamic performances of the rotor-bearing system under the impulse excitation, position perturbation, unbalance excitation and...

...force coefficients can be used is determined.

The misalignment effects on all bearing characteristics, including static characteristics, bearing force coefficients, critical stable speed and whirl frequency, are studied.

Three different experimental...

...modified. Two eccentric-mass vibrators are firstly used to excite the rotor-bearing system. The dynamic coefficients of two grooved bearings and two ungrooved bearings under different loads are estimated. The...

...performed on different test rigs. A data re-sampling technique is used to avoid the alias of frequency characteristics and reduce the noise affection. A data pre-processing method is developed...

28/3,K/71 (Item 8 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online
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01427071 ORDER NO: AADAA-I0576116
FUNCTIONAL ENCAPSULATION AND TYPE RECONSTRUCTION IN A STRONGLY-TYPED,
POLYMORPHIC LANGUAGE
Author: GUPTA, SHAIL ADITYA
Degree: PH.D.
Year: 1995
Corporate Source/Institution: MASSACHUSETTS INSTITUTE OF TECHNOLOGY (0753)
Source: VOLUME 56/04-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 2133.

Static type systems are traditionally used to prevent run-time type-errors in user programs and...

...representations to objects during compilation. In this thesis, we explore some new ways of using static type information in the design, compilation, and execution of programs written in a strongly-typed...

...a given control block. Information about an object's non-mutability helps compiler optimizations, improves aliasing and dependence analyses, and permits unrestricted caching of functional data at run-time. In the first part of this thesis, we present a safe, static mechanism for functional encapsulation of imperative data-structures using a powerful type system based on...

...of closed objects is guaranteed by a semantic soundness theorem that ensures consistency between the static and the dynamic semantics. The type system is presented in the context of Id, which is a strongly...

...using any run-time type-tags. Run-time type reconstruction is carried out by instantiating static type information for each function activation frame present within the dynamic call tree. Additional type-hints are inserted automatically at compile-time and are decoded at...

28/3,K/72 (Item 9 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online
(c) 2006 ProQuest Info&Learning. All rts. reserv.

01389273 ORDER NO: AADNN-89745
EFFECTIVE ANALYTICAL TECHNIQUES FOR THE DYNAMIC ANALYSIS OF STRUCTURES
Author: XIA, HONG
Degree: PH.D.
Year: 1993
Corporate Source/Institution: CARLETON UNIVERSITY (CANADA) (0040)
Source: VOLUME 55/08-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 3469. 298 PAGES
ISBN: 0-315-89745-7

EFFECTIVE ANALYTICAL TECHNIQUES FOR THE DYNAMIC ANALYSIS OF STRUCTURES

This work presents several procedures for improving the efficiency of dynamic analysis which focus on the application of Ritz vectors and on analysis in the frequency...

...spatial distribution of loads. The recently developed load-dependent vectors, which are derived from a static solution for the applied loads, address some of the problems inherent in the use of...

...in the frequency domain using discrete Fourier transforms is an efficient means of calculating the dynamic response of linear systems. The use of discrete transforms along with finite summation requires that...

...results of analysis, unless appropriate steps are taken to avoid or minimize the effect of aliasing or overlapping. For single-degree-of-freedom systems, procedures that will eliminate the effect of aliasing have been developed. However, problems related to frequency domain analysis still exist for multi-degree...

...is divided into several components for the purpose of analysis, is often employed in the dynamic analysis of large structures. The method permits a substantial reduction in the volume of computation...

28/3,K/73 (Item 10 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online
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01379930 ORDER NO: NOT AVAILABLE FROM UNIVERSITY MICROFILMS INT'L.
OPTICAL SENSORS BASED ON PHOTOCONDUCTIVE CADMIUM SELENIDE THIN FILMS
Original title: OPTISCHE SENSOREN OP BASIS VAN FOTOGELEIDENDE CDSE DUNNE FILMEN

Author: CAPON, JAN G. A.
Degree: PH.D.
Year: 1993
Corporate Source/Institution: RIJKSUNIVERSITEIT TE GENT (BELGIUM) (0215)
Source: VOLUME 55/04-C OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 1288. 223 PAGES
Location of Reference Copy: RIJKSUNIVERSITEIT GENT, CENTRALE
BIBLIOTHEEK, ROZIER 9, B-9000 GENT, BELGIUM

...vapour deposition and recrystallized and doped (Cu, Cl) by means of the embedding technique. The static and dynamic properties of the films were measured. Depending on whether or not the CdSe film was...

...sensor can be estimated and geometries that optimise the signal-to-noise ratio and suppress aliasing effects can be determined. A technology for the production of these image sensors is described...

28/3,K/74 (Item 11 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online
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01351621 ORDER NO: AAD94-12206
RESTORATION OF DYNAMIC IMAGE SEQUENCES: RESAMPLING AND HIGH RESOLUTION RECONSTRUCTION
Author: SU, WEN-YU
Degree: PH.D.

Year: 1994
Corporate Source/Institution: POLYTECHNIC UNIVERSITY (0179)
Source: VOLUME 54/11-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 5866. 139 PAGES

RESTORATION OF DYNAMIC IMAGE SEQUENCES: RESAMPLING AND HIGH RESOLUTION RECONSTRUCTION

With the increasing applications of **dynamic** image sequences for scientific data acquisition, evaluation, analysis as well as entertainment, it is quite...

...which occur when one desires such improvements from given low-resolution (undersampled) and possible distorted **dynamic** image sequences.

First, an efficient block-based resampling method is developed for discrete signals. Significant...

...resolution image synthesis method is proposed from a sequence of blurred, low resolution, noisy and aliased image frames. In this development, it is assumed that the image sequence is **static** --no moving objects in the sequence. The result can be extended to **dynamic** image sequences, which is described in Chapter 5. Recursive and parallel structure of the algorithm...

...in the high resolution reconstruction algorithm. This registration method can estimate the shift between two **static** aliased image frames to subpixel accuracy.

Lastly, an algorithm for high resolution reconstruction of **dynamic** image sequences is developed in Chapter 5. The research results presented in Chapter 2 through...

...frames is employed in order to reduce the nonlinearities due to nonuniform motions in a **dynamic** scene.

The algorithms developed in this dissertation have been tested and verified through extensive computer simulations. Further improvements of **dynamic** image sequence restoration may be possible by use of more elaborate object-oriented image segmentation...

28/3,K/75 (Item 12 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online
(c) 2006 ProQuest Info&Learning. All rts. reserv.

01294993 ORDER NO: NOT AVAILABLE FROM UNIVERSITY MICROFILMS INT'L.
ASPECT: A FORMAL SPECIFICATION LANGUAGE FOR DETECTING BUGS
Author: JACKSON, DANIEL
Degree: PH.D.
Year: 1992
Corporate Source/Institution: MASSACHUSETTS INSTITUTE OF TECHNOLOGY (0753)
Source: VOLUME 54/02-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 936.

Aspect is a **static** analysis technique based on formal specifications. By trading expressive power for tractability, Aspect can offer efficient detection of a class of bugs that is not detectable by other **static** means. Since the specifications are partial, not all bugs can be caught. But there are...

...Aspect can handle most of the features of modern imperative programming languages: side-effects and **aliasing**, exceptions, polymorphism and **dynamic** allocation. It takes advantage of strong typing and is designed for programs that are organized...

28/3,K/76 (Item 13 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online
(c) 2006 ProQuest Info&Learning. All rts. reserv.

01238672 ORDER NO: AAD92-28322
INTERDEPENDENT BEHAVIORS OF TAXPAYERS AND TAX OFFICIALS: MODELS, AND SOME EVIDENCES FROM KOREA
Author: BAHK, JAEWAN

Degree: PH.D.
Year: 1992
Corporate Source/Institution: HARVARD UNIVERSITY (0084)
Source: VOLUME 53/05-A OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 1611. 332 PAGES

...behavior raises the possibility of multiple stable equilibria in compliance, necessitating overshooting policies. In general, **dynamic** aspects induce different strategic responses by tax evaders from their **static** decision. When tax fraud is hierarchically connected, some officials are driven to be corrupt and...

...collective prisoner's dilemmas. It is also crucial to signal the reform intention by repealing **pseudonym** financial transactions and by disclosing the tax returns filed by the leadership. In the areas...

28/3,K/77 (Item 14 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online
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01198701 ORDER NO: AAD92-00480
INVESTIGATION OF A PARAMETER ESTIMATION ALGORITHM FOR SPATIAL SINE TESTING (SINE TESTING)
Author: DEBLAUWE, FILIP JOSEPH
Degree: PH.D.
Year: 1991
Corporate Source/Institution: UNIVERSITY OF CINCINNATI (0045)
Source: VOLUME 52/08-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 4420. 127 PAGES

...model. The order of the model can be modified in order to compensate for spatial **aliasing** and residual effects. To keep the analysis time to a minimum, the parameter estimation is...

...updated by including the last acquired data and the analysis is repeated. Since the data **does not change** significantly from one analysis to the next analysis window, a recursive QR decomposition is applied...

28/3,K/78 (Item 15 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online
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0982501 ORDER NO: AAD88-04594
STATIC ANALYSIS OF ALIASES AND SIDE EFFECTS IN HIGHER-ORDER LANGUAGES
Author: NEIRYNCK, ANNE DENISE
Degree: PH.D
Year: 1988
Corporate Source/Institution: CORNELL UNIVERSITY (0058)
Source: VOLUME 48/12-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 3618. 149 PAGES

STATIC ANALYSIS OF ALIASES AND SIDE EFFECTS IN HIGHER-ORDER LANGUAGES

...expression in an imperative language either uses or updates the store. We also determine the **aliasing** behavior of expressions and in general, we can tell whether the evaluation of two expressions interfere.

Current interprocedural dataflow techniques for **aliasing** and side effect inference are valid for first-order languages. Our inference schemes provide information about **aliasing** and side effects in a higher-order expression language with call-by-value semantics. The...

...obstacle. On the other hand, the presence of l-valued expressions has the consequence that **aliasing** information must be computed for all expressions, and cannot be represented as a relation among identifiers. Furthermore, the introduction of pointers make **aliasing** and side effects flow-dependent properties.

Abstract interpretation techniques allow us to define compositional **static** inference schemes for **aliasing** and side effects, which can be proved sound with respect to the standard semantics by...

...type of information is requested. We also discuss how different language features may affect the static analyses, simplifying them or making them untractable.

The abstract interpretation functions implicitly define static inference algorithms, which can easily be implemented by an attribute grammar, or any other tool...

...most practical settings. In addition, our schemes can give information even in the presence of dynamically allocated data structures.

28/3,K/79 (Item 1 from file: 65)
DIALOG(R)File 65:Inside Conferences
(c) 2006 BLDSC all rts. reserv. All rts. reserv.

01745898 INSIDE CONFERENCE ITEM ID: CN017781007
Australian Newspapers, Another Holy Grail: Will Indiana Jones, Alias the Library Manager, Make It?

Ho, E.

CONFERENCE: Preservation microfilming does it have a future?-National conference

P: 17-26

National Library of Australia, 1995

ISBN: 0642106398

LANGUAGE: English DOCUMENT TYPE: Conference Papers

CONFERENCE EDITOR(S): Bellingham, K.; Kirwan, L.; Shortridge, S.

CONFERENCE SPONSOR: National Library of Australia National Preservation Office

CONFERENCE LOCATION: Adelaide, Australia

CONFERENCE DATE: May 1994 (199405) (199405)

NOTE:

Held as the first national conference of the National Preservation Office

Australian Newspapers, Another Holy Grail: Will Indiana Jones, Alias the Library Manager, Make It?

28/3,K/80 (Item 1 from file: 99)
DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs
(c) 2006 The HW Wilson Co. All rts. reserv.

2350729 H.W. WILSON RECORD NUMBER: BAST01035578

Confined types in Java

Vitek, Jan; Bokowski, Boris

Software: Practice & Experience v. 31 no6 (May 2001) p. 507-32

DOCUMENT TYPE: Feature Article ISSN: 0038-0644

ABSTRACT: Part of a special issue on aliasing in object-oriented systems. A study of the interaction of sharing and security in object...

...is presented and a solution tailored for Java is proposed. Confined types that impose a static scoping discipline on dynamic references and anonymous methods that allow code reuse by loosening confinement somewhat are introduced. A verifier that provides a static guarantee that confinement is respected is implemented.

DESCRIPTORS: ... Dynamic programming;

28/3,K/81 (Item 2 from file: 99)
DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs
(c) 2006 The HW Wilson Co. All rts. reserv.

1264924 H.W. WILSON RECORD NUMBER: BAST95060697

Group-delay equalizer has gain >1

Weigel, Mark;

EDN v. 40 (Oct. 12 '95) p. 108

DOCUMENT TYPE: Feature Article ISSN: 0012-7515

...ABSTRACT: delay equalizer has unity gain and is a popular way to

Ginger R. DeMille

equalize data filters or alias filters when phase compensation is necessary. The proposed equalizer can provide a gain greater than...

...and the other negative gain. One advantage of this method is that changing the gain does not change the frequency response, at least to a first approximation.

28/3,K/82 (Item 3 from file: 99)
DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs
(c) 2006 The HW Wilson Co. All rts. reserv.

1151641 H.W. WILSON RECORD NUMBER: BAST94020205
Practical aspects of dynamic verification of extensometers; the concepts
Albright, F. Joseph; Annala, Jay
Journal of Testing and Evaluation v. 22 (Jan. '94) p. 53-6
DOCUMENT TYPE: Feature Article ISSN: 0090-3973

Practical aspects of dynamic verification of extensometers; the concepts

...ABSTRACT: measurement of load and strain. Accurate measurement of both parameters is essential. Methods for accurate static calibration and verification of load transducers and extensometers are well established. More recently, standard practices have been developed for the dynamic calibration of load transducers. Still in its infancy is a standard method for dynamic verification of extensometers. Dynamic verification introduces a wide range of new issues. These encompass not only the transducer but also the conditioning electronics and actual test machine. Static calibration permits the "elimination" of nearly all dynamics, whereas dynamic verification must be done in the presence of these dynamic effects. This paper outlines the various concepts that need to be understood when performing the dynamic verification of an extensometer. Problems related to computer aided verification are emphasized, issues of aliasing and resolution in particular. Reprinted by permission of the publisher.

DESCRIPTORS: ... Dynamic tests;

28/3,K/83 (Item 1 from file: 256)
DIALOG(R)File 256:TECINFOSOURCE
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01304603 DOCUMENT TYPE: Product

PRODUCT NAME: Design-Ease 6 (304603)

Stat-Ease Inc (494984)
2021 E Hennepin Ave
Minneapolis, MN 55413-2726 United States
TELEPHONE: (612) 378-9449

RECORD TYPE: Directory

CONTACT: Sales Department

REVISION DATE: 20030228

...fast. Experimental designs are selected from easy-to-understand menus. To aid users in their choice, the alias structure for each fractional factorial design is given. Designs can be run completely randomized or...

28/3,K/84 (Item 2 from file: 256)
DIALOG(R)File 256:TECINFOSOURCE
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01160148 DOCUMENT TYPE: Product

PRODUCT NAME: Neon 6.2 (160148)

Ashlar Inc (474894)

Ginger R. DeMille

12731 Research Blvd Bldg A
Austin, TX 78759 United States
TELEPHONE: (512) 250-2186

RECORD TYPE: Directory

CONTACT: Sales Department

REVISION DATE: 20030903

...a 3D publishing system that provides users with photorealistic rendering, 2D non-associative view generation, static and dynamic dimensioning, and other features. The system can be employed in creating fly-by, walkthrough, panoramic...

...other general transform tools. It also includes wireframe, flat shaded, Gouraud, hidden line, and anti-alias object display features. Neon provides users with point, line, arc, circle, ellipse, polygon, spiral, and ...

28/3,K/85 (Item 3 from file: 256)
DIALOG(R)File 256:TECINFOSOURCE
(c) 2006 INFO.SOURCES INC. All rts. reserv.

01050725 DOCUMENT TYPE: Product

PRODUCT NAME: ProIndx (050725)

SoftPro Corp (511501)
333 E Six Forks Rd
Raleigh, NC 27609 United States
TELEPHONE: (919) 829-1122

RECORD TYPE: Directory

CONTACT: Sales Department

REVISION DATE: 20030306

...about the property and instrument, including map references; buyer and seller names; tax, parcel, and account numbers; and document name and recording date. People can search their database by any combination of these fields. Additional features include Soundex, which enables users to conduct...

28/3,K/86 (Item 4 from file: 256)
DIALOG(R)File 256:TECINFOSOURCE
(c) 2006 INFO.SOURCES INC. All rts. reserv.

00149357 DOCUMENT TYPE: Review

PRODUCT NAMES: Final Cut RT Extreme (192058)

TITLE: Building a High-End Desktop Finishing Suite
AUTHOR: Heede, Ed
SOURCE: Videography, v28 n8 p46(3) Aug 2003
ISSN: 0363-1001
HOMEPAGE: <http://www.videography.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

REVISION DATE: 20031230

...desktop suites are available as well from Adobe, Apple, and discreet. For 3D, buyers can choose products from Alias, Maxon, and NewTek. Among the best of new I/O hardware are the Kona SD...

28/3,K/87 (Item 1 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)
(c) 2002 The Gale Group. All rts. reserv.

09617375
MAC BURGER PROMOTION
Brunei: Big Mac variants introduced
Borneo Bulletin (XAB) 11 Oct 2001 p.7
Language: ENGLISH

... introduced the "Big Mac Extra" and "Big Mac (Junior)" burgers on 27 September 2001. Azwani Alias , the Store Manager , revealed that the "Big Mac Extra" is packed with four beef patties, while each "Big...

28/3,K/88 (Item 2 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)
(c) 2002 The Gale Group. All rts. reserv.

06210058
New MD wants to revamp Perwaja
MALAYSIA: PERWAJA STEEL TO UNDERGO RESTRUCTURING
The Star (XAT) 05 Oct 1995 P.3 Business
Language: ENGLISH

... to the Gurun plant and Zailan Husin is still the operation director at the plant. Alias Awang, general manager of human resources in Gurun has been appointed to a senior position at the headquarters...

28/3,K/89 (Item 1 from file: 56)
DIALOG(R)File 56:Computer and Information Systems Abstracts
(c) 2006 CSA. All rts. reserv.

0000359430 IP ACCESSION NO: 525660
Taxonomy of branch mispredictions, and alloyed prediction as a robust solution to wrong-history mispredictions

Skadron, Kevin; Martonosi, Margaret; Clark, Douglas W
Univ of Virginia, Charlottesville, VA, USA

PARALLEL ARCHIT COMPIL TECH CONF PROC. pp. 199-206. 2000
PUBLICATION DATE: 2000

PUBLISHER: IEEE, PISCATAWAY, NJ, (USA)

CONFERENCE:
2000 International Conference on Parallel Architectures and Compilation Techniques, Philadelphia, PA, USA, 15 Oct.-19 Oct. 2000

DOCUMENT TYPE: Conference Paper; Journal Article
RECORD TYPE: Abstract
LANGUAGE: English
ISSN: 1089-795X
FILE SEGMENT: Computer & Information Systems Abstracts

ABSTRACT:
... history mispredictions as they alternate between using global and local history, a phenomenon that favors dynamic rather than static selection in hybrid predictors.

DESCRIPTORS: Program processors; Computational methods; Anti-aliasing ; Computer architecture; Computer simulation; Cache memory; Information retrieval systems

28/3,K/90 (Item 2 from file: 56)
DIALOG(R)File 56:Computer and Information Systems Abstracts
(c) 2006 CSA. All rts. reserv.

0000346963 IP ACCESSION NO: 482279
Homological invariants and Holographic representations of topological structures in cellular spaces

Ginger R. DeMille

Baciu, George; Kunii, Toshiyasu L
Hong Kong Univ of Science and Technology, Kowloon, Hong Kong

PAGES: 89-97
PUBLICATION DATE: 2000

PUBLISHER: IEEE, LOS ALAMITOS, CA, (USA)

CONFERENCE:
CGI 2000: The 18th Computer Graphics International 'Humans and Nature',
Geneva, Switz, 19 June-24 June 2000

DOCUMENT TYPE: Conference Paper
RECORD TYPE: Abstract
LANGUAGE: English
FILE SEGMENT: Computer & Information Systems Abstracts
ABSTRACT:

... topological features, and (2) the representation of the modes of
interaction between them, both in static and dynamic environments.
Current methods have offered many different forms of associating abstract
structures with analytical expressions...

DESCRIPTORS: Virtual reality; Anti- aliasing ; Computer aided design; Graph
theory; Image analysis; Feature extraction; Computer simulation; Computer
generated holography; Mathematical...

28/3,k/91 (Item 3 from file: 56)
DIALOG(R)File 56:Computer and Information Systems Abstracts
(c) 2006 CSA. All rts. reserv.

0000326784 IP ACCESSION NO: 399993
Dynamic scene occlusion culling

Sudarsky, Oded; Getsman, Craig
Technion - Israel Inst of Technology, Haifa, Isr

IEEE Transactions on Visualization and Computer Graphics, v 5, n 1, p 13-29
, 1999
PUBLICATION DATE: 1999

PUBLISHER: IEEE, LOS ALAMITOS, CA, (USA)

DOCUMENT TYPE: Journal Article
RECORD TYPE: Abstract
LANGUAGE: English
ISSN: 1077-2626
FILE SEGMENT: Computer & Information Systems Abstracts

Dynamic scene occlusion culling

ABSTRACT:
... the key techniques for output-sensitive rendering. We generalize
existing occlusion culling algorithms, intended for static scenes, to
handle dynamic scenes having numerous moving objects. The data structure
used by an occlusion culling method is updated to reflect the objects'
possible positions. To avoid updating the structure for every dynamic
object at each frame, a temporal bounding volume (TBV) is created for each
occluded dynamic object, using some known constraints on the object's
motion. The TBV is inserted into...

...affected only by the scene's visible parts, not by hidden parts or by
occluded dynamic objects. Our techniques also save communications in
distributed graphic systems, e.g., multiuser virtual environments, by
eliminating update messages for hidden dynamic objects. We demonstrate
the adaptation of two occlusion culling algorithms to dynamic scenes:
hierarchical Z-buffering and BSP tree projection.

DESCRIPTORS: Anti- aliasing ; Computational complexity; Algorithms;
Distributed computer systems; Virtual reality; Buffer storage; Trees
(mathematics)

28/3,K/92 (Item 4 from file: 56)
DIALOG(R)File 56:Computer and Information Systems Abstracts
(c) 2006 CSA. All rts. reserv.

0000319288 IP ACCESSION NO: 347095
Run-time parallelization: Its time has come

Rauchwerger, Lawrence
Texas A&M Univ, College Station, TX, USA

PARALLEL COMPUT, v 24, n 3-4, p 527-556, May 1998
PUBLICATION DATE: 1998

PUBLISHER: Elsevier Science BV, P.O. Box 211, Amsterdam, 1000 AE
COUNTRY OF PUBLICATION: Netherlands
PUBLISHER URL: <http://www.elsevier.com>
PUBLISHER EMAIL: w.tukker@elsevier.nl

DOCUMENT TYPE: Journal Article
RECORD TYPE: Abstract
LANGUAGE: English
ISSN: 0167-8191
FILE SEGMENT: Computer & Information Systems Abstracts

ABSTRACT:
... parallelizing compilers cannot identify a significant fraction of parallelizable loops because they have complex or statically insufficiently defined access patterns. This type of loop mostly occurs in irregular, dynamic applications which represent more than 50% of all applications. Making parallel computing succeed has therefore...

IDENTIFIERS: Pointer aliasing ; Data dependence analysis

28/3,K/93 (Item 5 from file: 56)
DIALOG(R)File 56:Computer and Information Systems Abstracts
(c) 2006 CSA. All rts. reserv.

0000225274 IP ACCESSION NO: 0089132
Can aliased modes of a flexible system be controlled by a digital controller of a low sampling rate

Yang, Bingen; Hu, Jwu-Sheng
Univ of Southern California, Los Angeles, CA, USA

ADDL. SOURCE INFO: ASME DYN SYST CONTROL DIV PUBL DSC, ASME, NEW YORK, NY, (USA), 1993, vol. 50, pp. 1-6,
PUBLICATION DATE: 1993

PUBLISHER: ASME, NEW YORK, NY, (USA)

CONFERENCE:
The 1993 ASME Winter Annual Meeting, New Orleans, LA, USA, 11/28-12/03/93

RECORD TYPE: Abstract
LANGUAGE: English
ISBN: 0-7918-1020-8
FILE SEGMENT: Computer & Information Systems Abstracts
IDENTIFIERS: Flexible system; Aliased modes; Digital controller ; Nyquist frequency

28/3,K/94 (Item 1 from file: 23)
DIALOG(R)File 23:CSA Technology Research Database
(c) 2006 CSA. All rts. reserv.

0006903158 IP ACCESSION NO: A77-12982
Fundamental errors of telemetry measurement signals
ORIGINAL TITLE: Grundsatzliche Fehler telemetrierter Messsignale

Ginger R. DeMille

KALTSCHMIDT, H
Messerschmitt-Boelkow-Blohm GmbH, Ottobrunn, West Germany [KALTSCHMIDT]
PUBLICATION DATE: 1976

CONFERENCE:
Deutsche Gesellschaft fuer Luft- und Raumfahrt, Symposium ueber
Telemetrie-Messdatenerfassung, Echtzeitdatenreduzierung und -speicherung,
Munich, West Germany, Germany, 23-24 June 1976

DOCUMENT TYPE: Conference Paper
RECORD TYPE: Abstract
LANGUAGE: German
FILE SEGMENT: Aerospace & High Technology

ABSTRACT:
... errors are produced in digital systems which are used for the
acquisition of analog signals. Dynamic errors occur in time-variable
signals as a consequence of bandwidth restrictions. Another error category
is composed of noise-related errors. Attention is also given to static
errors, systematic errors, and random errors. The calculation of the
aliasing error and the dynamic error is illustrated with the aid of an
example.

28/3,K/95 (Item 2 from file: 23)
DIALOG(R)File 23:CSA Technology Research Database
(c) 2006 CSA. All rts. reserv.

0006687652 IP ACCESSION NO: A04-27656
Wavefront control for extreme adaptive optics

Poyneer, Lisa A.; Macintosh, Bruce A.
Lawrence Livermore National Lab., Livermore, CA
AUTHOR EMAIL: Poyneer1@llnl.gov

Proceedings of SPIE, v 5169, p 190-200, 2003

CONFERENCE:
Astronomical Adaptive Optics Systems and Applications, San Diego, CA, Aug.
3, 4, 2003

DOCUMENT TYPE: Conference Volume - Analytic
RECORD TYPE: Abstract
LANGUAGE: English
ISSN: 0277-786X
ISBN: 0-8194-5042-1
REPORT NO: SPIE-5169
FILE SEGMENT: Aerospace & High Technology

ABSTRACT:
... Optics systems place challenging requirements on wave-front control.
This paper focuses on control system dynamics, wave-front sensing and
wave-front correction device characteristics. It may be necessary to run...

...performance, provided specific design constraints are followed. The
spatially-filtered wave-front sensor, which prevents aliasing and
improves PSF sensitivity, is summarized. Different models of continuous and
segmented deformable mirrors are...

...device can achieve nearly equivalent performance to a continuous-sheet
DM in compensating for a static phase aberration with use of spatial
filtering.

28/3,K/96 (Item 3 from file: 23)
DIALOG(R)File 23:CSA Technology Research Database
(c) 2006 CSA. All rts. reserv.

0005945009 IP ACCESSION NO: A00-26075
An empirical phase space analysis of ring current dynamics - Solar wind
control of injection and decay

O'Brien, T P; McPherron, Robert L

Ginger R. DeMille

California, Univ., Los Angeles [O'Brien

Journal of Geophysical Research, v 105, n A4, p 7707-7719, 1 Apr. 2000
PUBLICATION DATE: 2000

PUBLISHER: American Geophysical Union, 2000 Florida Ave, NW, Washington, DC
, 20009-1277
COUNTRY OF PUBLICATION: USA
PUBLISHER URL: <http://www.agu.org>

CONFERENCE:
, UNITED STATES

DOCUMENT TYPE: Journal Article
RECORD TYPE: Abstract
LANGUAGE: ENGLISH
ISSN: 0148-0227
NUMBERS: Contract: NSF ATM-96-13667
FILE SEGMENT: Aerospace & High Technology

An empirical phase space analysis of ring current dynamics - Solar wind control of injection and decay

ABSTRACT:

... to determine the evolution of the ring current. This analysis method does not assume a dynamic equation, but merely requires that the evolution of Dst depends on Dst and the solar wind. Our simple model, with seven nontrivial parameters, describes the dynamics of 30 years of hourly Dst with solar wind data provided by the OMNI data...

...The solar wind coupling is assumed to be determined by VBs. We arrive at a dynamic equation nearly identical to the Burton equation with a slight correction. The method is restricted...

...the fact that spacecraft observe compositional changes in the ring current at intense Dst, the dynamics of the two storms are not obviously different in the context of our model. We demonstrate that the generally observed dependence of the decay parameter on Dst is actually an alias of the coincidence of intense Dst and intense VBs. (Author)

...DESCRIPTORS: Plasma decay; *Earth magnetosphere; *Plasma composition; Probability density functions; Equations of motion; Satellite observation; Plasma dynamics

28/3,K/97 (Item 4 from file: 23)
DIALOG(R)File 23:CSA Technology Research Database
(c) 2006 CSA. All rts. reserv.

0005594033 IP ACCESSION NO: N98-20102
Rolling contact fatigue and load capacity tests of M62 bearing steel

Park, W; Hilton, M R; Ward, P C; Henderson, G W; Leveille, A R; McClintock, D A; Smith, D W
Aerospace Corp., El Segundo, CA United States [Park]
PUBLICATION DATE: 1998

CONFERENCE:
NASA no. 19980193174. Fortieth Anniversary: Pioneering the Future, UNITED STATES

DOCUMENT TYPE: Conference Paper
RECORD TYPE: Abstract
LANGUAGE: ENGLISH
REPORT NO: NASA no. 19980193174
FILE SEGMENT: Aerospace & High Technology

ABSTRACT:

A series of tests were conducted to determine the dynamic fatigue properties and static load capacity of M62 steel (Rockwell C hardness, HRC 66-67). Rolling contact fatigue tests...

Ginger R. DeMille

...size bearings having raceways made with the air-melted powder metallurgy version of M62 steel (aka REX20) and balls of Si3N4. The tests were conducted at 565.5 rad/s (5400...

...of 181 h, while the hybrid bearings ran to 2600 h suspension without failures. The static load capacity was determined by conducting careful brinelling tests over a range below and above...

...of the steel, which was measured for the first time. The data indicate that the static load capacity of REX20 at HRC 66-67 is between 3790 and 4140 MPa (550...

28/3,K/98 (Item 5 from file: 23)
DIALOG(R)File 23:CSA Technology Research Database
(c) 2006 CSA. All rts. reserv.

0005496177 IP ACCESSION NO: A98-31004
Developments in large-scale, audio-frequency, data acquisition /analysis system technology

Katz, Steve; Smith, Strether; Hollowell, Bill; Olson, Eric; Brower, Al;
Franz, Bob; Snyder, Scott
Lockheed Martin Missiles & Space, Sunnyvale, CA [Katz

PAGES: 18-26
PUBLICATION DATE: 1998

PUBLISHER: Research Triangle Park, NC: Instrument Society of America

CONFERENCE:
International Instrumentation Symposium, 44th, Reno, NV, UNITED STATES, 3-7 May 1998

DOCUMENT TYPE: Conference Paper
RECORD TYPE: Abstract
LANGUAGE: ENGLISH
FILE SEGMENT: Aerospace & High Technology
ABSTRACT:

... and the concept of a universal data acquisition system as it applies to both the dynamic and static test disciplines is addressed. An implementation of the new 'tools' in the development of a...

...a system that uses 'off-the-shelf' components and technology to eliminate the problems of aliasing errors, aggregate bandwidth limitations, and long data extraction /reduction times. (AIAA)

DESCRIPTORS: *Data acquisition; *Audio frequencies; *Software tools; *Dynamic tests; * Static tests; *Commercial off-the-shelf technology; Systems analysis; Error analysis; Hardware

28/3,K/99 (Item 6 from file: 23)
DIALOG(R)File 23:CSA Technology Research Database
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0005443683 IP ACCESSION NO: 318461
The scaled boundary finite-element method -- alias consistent infinitesimal finite-element cell method -- for elastodynamics

Song, C.; Wolf, J. P.

Computer Methods in Applied Mechanics and Engineering, v 147, n 3-4, p 329-355, 5 Aug. 1997

PUBLISHER: Elsevier Science Publishing Co., Inc., P.O. Box 882, Madison Square Station, New York, NY, 10159-0882
COUNTRY OF PUBLICATION: USA
PUBLISHER URL: <http://www.elsevier.com>
PUBLISHER EMAIL: usinfo-f@elsevier.com

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract
LANGUAGE: English
ISSN: 0045-7825
NUMBERS: callno ENGR TA349/C55
FILE SEGMENT: Earthquake Engineering Abstracts
The scaled boundary finite-element method -- alias consistent
infinitesimal finite-element cell method -- for elastodynamics

ABSTRACT:

The scaled boundary finite-element method, alias the consistent
infinitesimal finite-element cell method, is developed starting from the
governing equations of...

...solution in the finite-element sense in the circumferential directions.
For a bounded medium symmetric static -stiffness and mass matrices with
respect to the degrees of freedom on the boundary result...

DESCRIPTORS: Structural dynamics ; Plates; Analysis; Solid spheres

28/3,K/100 (Item 7 from file: 23)
DIALOG(R)File 23:CSA Technology Research Database
(c) 2006 CSA. All rts. reserv.

0005400699 IP ACCESSION NO: A97-42839
A quality assurance algorithm for NASA Scatterometer wind retrieval

Gonzales, Amy E; Long, David G
Brigham Young Univ., Provo, UT [Gonzales]

PAGES: 107-114
PUBLICATION DATE: 1997

PUBLISHER: Bellingham, WA: Society of Photo-Optical Instrumentation
Engineers (SPIE Proceedings. Vol. 3117)

CONFERENCE:
Earth observing systems II; Proceedings of the Meeting, San Diego, CA,
UNITED STATES, 28-29 July 1997

DOCUMENT TYPE: Conference Paper
RECORD TYPE: Abstract
LANGUAGE: ENGLISH
NUMBERS: A97-42827 11-19; SPIE-3117
FILE SEGMENT: Aerospace & High Technology
ABSTRACT:
... also outlines an algorithm to correct some of the errors. This is done
by either choosing the alias closest to the model-fit or by simply
replacing the erroneous wind vectors with those...

28/3,K/101 (Item 8 from file: 23)
DIALOG(R)File 23:CSA Technology Research Database
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0004938801 IP ACCESSION NO: 0201957
Design of nonuniform cosine modulated filter banks

Lee, Jeong-Jin; Lee, Byeong Gi
Electronics and Telecommunication Research Inst, Daejeon, South Korea

IEEE Transactions on Circuits and Systems II: Analog and Digital Signal
Processing, v 42, n 11, p 732-738, 1995
PUBLICATION DATE: 1995

PUBLISHER: Institute of Electrical and Electronics Engineers, Inc., 445
Hoes Ln, Piscataway, NJ, 08854-1331
COUNTRY OF PUBLICATION: USA
PUBLISHER URL: <http://ieee.org>
PUBLISHER EMAIL: inspec@ieee.org

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract
LANGUAGE: English
ISSN: 1057-7130
FILE SEGMENT: Electronics & Communications Abstracts
IDENTIFIERS: Nonuniform cosine modulated filter banks; Band selectivity ;
Alias cancellation; Distortion function

28/3,K/102 (Item 9 from file: 23)
DIALOG(R)File 23:CSA Technology Research Database
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0004454893 IP ACCESSION NO: N93-16056
Aspect: A formal specification language for detecting bugs (M.S. Thesis)

JACKSON, DANIEL
Massachusetts Inst. of Tech., Cambridge. Lab. for Computer Science.
PUBLICATION DATE: 1992

CONFERENCE:
, UNITED STATES

RECORD TYPE: Abstract
LANGUAGE: ENGLISH
REPORT NO: AD-A256797; MIT/LCS/TR-543
NUMBERS: Contract: N00014-89-J-1988; NSF CCR-89-10848
FILE SEGMENT: Aerospace & High Technology

ABSTRACT:

Aspect is a static analysis technique based on formal specifications. By trading expressive power for tractability, Aspect can offer efficient detection of a class of bugs that is not detectable by other static means. Since the specifications are partial, not all bugs can be caught. But there are...

...Aspect can handle most of the features of modern imperative programming languages: side-effects and aliasing, exceptions, polymorphism and dynamic allocation. It takes advantage of strong typing and is designed for programs that are organized...

28/3,K/103 (Item 10 from file: 23)
DIALOG(R)File 23:CSA Technology Research Database
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0004334487 IP ACCESSION NO: N93-13275
Guide to QSPIRES and the particle physics databases on SLACVM

GALIC, H
Stanford Univ., CA. Linear Accelerator Center.
PUBLICATION DATE: 1992

CONFERENCE:
, UNITED STATES

DOCUMENT TYPE: Report
RECORD TYPE: Abstract
LANGUAGE: ENGLISH
REPORT NO: DE92-018099; SU-SLAC-393
NUMBERS: Contract: DE-AC03-76SF-00515
FILE SEGMENT: Aerospace & High Technology

ABSTRACT:

... databases of interest to the high energy physics community. You do not need a computer account at SLAC to search through some of these databases, they can be reached via the remote server QSPIRES, set at the BITNET node SLACVM...

28/3,K/104 (Item 11 from file: 23)
DIALOG(R)File 23:CSA Technology Research Database
(c) 2006 CSA. All rts. reserv.

Ginger R. DeMille

0002461410 IP ACCESSION NO: A83-37476
Performance characterization of the dry tuned-gimbal gyro for application to precision spacecraft attitude reference systems

DONOGHUE, P J
Teledyne Systems Co., Northridge, CA [DONOGHUE]

PAGES: 433-442
PUBLICATION DATE: 1983

PUBLISHER: Oxford, Pergamon Press

CONFERENCE:
Automatic control in space 1982; Proceedings of the Ninth Symposium, Noordwijkerhout, Netherlands, United Kingdom, 5-9 July 1982

DOCUMENT TYPE: Conference Paper
RECORD TYPE: Abstract
LANGUAGE: English
NUMBERS: A83-37432 17-18
FILE SEGMENT: Aerospace & High Technology

ABSTRACT:
... of the dry-tuned gyro used in strapdown gimballed inertial navigation systems is presented. The dynamic behavior of a gyro is expressed in terms of equations for the case rates, pickoff...

...momentum vector, the time rate of change of the motor torquer angle, and the torques. Static equations are presented for fixed bias errors, the apparent scale factor for relating torque measurements...

...a system-level reference frame. Bandwidth selection for digital sampling of the rate output and aliasing are discussed in terms of tradeoffs. Optimized filtering techniques are required for spacecraft applications in ...

28/3,K/105 (Item 12 from file: 23)
DIALOG(R)File 23:CSA Technology Research Database
(c) 2006 CSA. All rts. reserv.

0001563622 IP ACCESSION NO: A79-28158
Digital image anomalies - Static and dynamic (rastering and aliasing effects and elimination)

SZABO, N S
Singer Co., Link Div., Sunnyvale, Calif. [SZABO]

PAGES: 11-15
PUBLICATION DATE: 1978

PUBLISHER: Bellingham, Wash., Society of Photo-Optical Instrumentation Engineers

CONFERENCE:
Visual simulation and image realism; Proceedings of the Seminar, San Diego, Calif., United States, 30-31 Aug. 1978

DOCUMENT TYPE: Conference Paper
RECORD TYPE: Abstract
LANGUAGE: English
NUMBERS: A79-28156 10-54
FILE SEGMENT: Aerospace & High Technology

Digital image anomalies - Static and dynamic (rastering and aliasing effects and elimination)

ABSTRACT:
... generated images have a number of anomalies which are frequently referred to as rastering and aliasing. These effects are due to sampling in both the spatial and time domains. Algorithms for...
?